



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



## Final Analytical Report

Site Name.....	Dimock Residential Groundwater
Sample Collection Date(s).....	02/13/12 07:15- 02/15/12 11:36
Contact.....	Rich Fetzer
Report Date.....	03/29/12 18:07
Project #.....	DAS R33907
Work Order.....	1202005

### **Analyses included in this report:**

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Alcohols by EPA 8015D	SVOCs by CLP Equivalent
VOCs by CLP Equivalent (trace)	

Approved for Release

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OASQA Representative



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
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**Site Name:** Dimock Residential Groundwater

**Project #:** DAS R33907

**Report Narrative**

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**Site Name:** Dimock Residential Groundwater

**Project #:** DAS R33907

## Report Narrative

The EPA Region 3 Laboratory's Quality System is NELAP accredited. The National Environmental Laboratory Accreditation Program (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies.

### **General Notes:**

This report contains results for Volatiles (VOAs), Semivolatiles (SVOAs), and Alcohol analyses only. All other parameters identified on the chain-of-custody form are included in separate reports. Lab Sample numbers 1202005-01 thru -04, -24 thru -32, -35, -38, -41 and 1202005-43 are not included in this report since these samples were designated for Metals and Mercury analyses only.

For Work Order 1202005 - **This is Report 2 of 3.**

Chain-of-Custody forms are included in Report 1 of 3 for this Work Order.

One sample vial for the VOC analysis was received broken for 1202005-16. One sample bottle for the Oil & Grease analysis was received broken for 1202005-11. Analysis was completed on the remaining vials and bottles.

One cooler that contained the samples for 1202005-12 (VOAs only), -13, -20, and -26 was received with the temperature blank vial broken. However, the cooler was packed with ice and the sample containers were cool to the touch. All remaining samples were received at proper temperature.

Analytical results for samples by the Orthophosphorus method are not included in this report. Instead samples were analyzed using the Total Phosphate method to eliminate any issues with holding times. Since the Orthophosphorus method was being used as a screening method to determine the need to analyze the sample by the Total Phosphate method, results for Total Phosphate are not impacted.

Samples designated for the analysis of Oil & Grease were received in sample containers inconsistent with the type needed for the routine extraction procedure. Therefore, all samples were extracted using the manual extraction technique.

Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Unless otherwise noted below, all required instrument and method QC was run and was within criteria.

### **SVOAs Analysis Note:**

All samples were extracted by EPA SW-846 Method 3520C followed by analysis using EPA SW-846 Method 8270D. Refer to notes in case file for additional information regarding the analysis.

For this project two additional compounds are added to the SVOC analysis; 2-methoxyethanol and 1-methylnaphthalene. A separate calibration curve is used for these compounds with quality control requirements per the On-Demand protocol. For 2-methoxyethanol, the analysis is also being completed on each sample using the HPLC/MS/MS technique (Glycol analysis). Since SVOC extraction efficiencies are problematic for 2-methoxyethanol, the results from the HPLC/MS/MS technique should be used for these samples.

For all samples, quantitation limits for 2,4-dinitrophenol and 2-methoxyethanol are elevated due to zero percent recovery in the low-spike quality control check (BS1). For several samples, quantitation limits for 3,3'-dichlorobenzidine and 4,6-dinitro-2-methylphenol are elevated due to zero percent recovery in the low-spike quality control check. For all samples, quantitation limit for pentachlorophenol is elevated due to low percent recovery in the low-spike quality control check. For several samples, quantitation limits for 4,6-dinitro-2-methylphenol, 3-nitroaniline, 4-chloroaniline, and atrazine are elevated due to low percent recovery in the low-spike quality control check. Results for most of the mid-level spike quality control check (BS2) are within acceptance limits; therefore, quantitation limits are raised to the mid-level value. For several samples, 3,3'-dichlorobenzidine and 2-methoxyethanol are qualified "R" due to zero



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## Report Narrative

percent recovery in the mid-level spike quality control check. In the report, only 16 compounds are reported for blank spike quality control check samples. Quality control information about the additional spiked compounds is available in the case file.

For 1202005-10, the matrix spike duplicate exceeded quality control requirements for several analytes; therefore, matrix spike duplicate results are qualified estimated "UJ".

For 1202005-33, internal standard counts are low; therefore, quantitation limits were qualified estimated "UJ".

Results for a limited number of parameters found in all samples are qualified "B" due to contamination found in either the method blank, field blank, or equipment blank.

Blank spike results for several compounds are slightly above the high end of the acceptance window; which has no impact on the data.

### **VOA Analysis Note:**

Acrylonitrile was analyzed on-demand using CLP equivalent methodology. This analyte does not appear in the data tables or the QC summary and all data for this compound is summarized here. Acrylonitrile was not detected in any of the samples above a quantitation limit of 2 ug/L. A four point curve was analyzed (2, 5, 10 and 20 ug/L). The samples were preserved to a pH<2 with HCl. A low level second source blank spike analyzed at a concentration of 2 ug/L had a recovery of 88%. A mid level second source blank spike analyzed at a concentration of 10 ug/L had a recovery of 112%. Matrix spike/matrix spike duplicate analysis was performed for samples 1202005-10 and 1202005-33. Matrix spike recoveries for sample 1202005-10 were 96% and 126%. Matrix spike recoveries for sample 1202005-33 were 200% and 108%.

2-Chloroethylvinyl ether is not included in the analysis. 2-chloroethylvinyl ether breaks down in acidified samples.

Acetone results greater than 2 ug/L are qualified estimated "J" since the initial calibration curve was outside of acceptance limits for this compound.

A mid-level second source blank spike for target compounds was analyzed and two compounds were outside the criteria. These compounds were not detected in the samples and there is no impact to the results.

The matrix spike analyses for target compounds had several recoveries outside criteria. Recoveries were low for two compounds, acetone and bromomethane. Acetone results are qualified estimated "J" as previously described. Bromomethane was not detected in the samples. Evaluation of additional quality control indicates the loss of bromomethane from the spiking solution; this does not impact the reported quantitation level. Three recoveries were high and six measures of reproducibility (RPD) were outside criteria. The source samples were non-detect for these compounds hence no impact to data quality.

In addition to the Tentatively Identified Compounds (TICs) reported, two samples exhibited a large peak that eluted too early in the chromatograph to estimate concentration. The mass spectra profile is consistent with the presence of propane (93% probability). The samples are 1202005-34 (Sta. HW03) and 1202005-36 (Sta. HW03z).

### **Alcohols Analysis Note:**

All required instrument QC was run and was within the required criteria.

**REPORT 2 of 3**



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

## ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB41	1202005-05	Water	2/13/12 07:20	2/14/12 13:20
TB40	1202005-06	Water	2/13/12 07:15	2/14/12 13:20
HW27z	1202005-07	Drinking Water	2/13/12 10:38	2/14/12 13:20
HW27	1202005-08	Drinking Water	2/13/12 10:37	2/14/12 13:20
FB16	1202005-09	Water	2/13/12 09:06	2/14/12 13:20
HW55	1202005-10	Drinking Water	2/13/12 10:21	2/14/12 13:20
HW59	1202005-11	Drinking Water	2/14/12 10:33	2/15/12 10:43
HW11-P	1202005-12	Drinking Water	2/13/12 15:22	2/15/12 10:43
HW11	1202005-13	Drinking Water	2/13/12 15:05	2/15/12 10:43
HW53	1202005-14	Drinking Water	2/13/12 14:57	2/15/12 10:43
HW53-P	1202005-15	Drinking Water	2/13/12 15:17	2/15/12 10:43
FB17	1202005-16	Water	2/14/12 09:09	2/15/12 10:43
HW57-P	1202005-17	Drinking Water	2/14/12 10:31	2/15/12 10:43
HW58	1202005-18	Drinking Water	2/14/12 14:47	2/15/12 10:43
TB43	1202005-19	Water	2/13/12 10:55	2/15/12 10:43
TB42	1202005-20	Water	2/13/12 10:50	2/15/12 10:43
TB47	1202005-21	Water	2/14/12 09:20	2/15/12 10:43
TB45	1202005-22	Water	2/14/12 07:10	2/15/12 10:43
TB44	1202005-23	Water	2/14/12 07:05	2/15/12 10:43
HW57	1202005-33	Drinking Water	2/14/12 10:07	2/15/12 10:43
HW03	1202005-34	Drinking Water	2/14/12 15:18	2/16/12 10:45
HW03z	1202005-36	Drinking Water	2/14/12 15:19	2/16/12 10:45
TB46	1202005-37	Water	2/14/12 09:15	2/16/12 10:45
FB18	1202005-39	Water	2/15/12 09:45	2/16/12 10:45
HW07	1202005-40	Drinking Water	2/15/12 11:36	2/16/12 10:45
TB48	1202005-42	Water	2/15/12 07:15	2/16/12 10:45



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB41**Lab ID:** 1202005-05**Sample Matrix:** Water**Date Collected:** 02/13/2012**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.9	J	2.0	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Benzene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Bromoform	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.08</b>	<b>J</b>	<b>0.5</b>	<b>1</b>	<b>02/21/12</b>	<b>02/21/12 17:57</b>	<b>CLP trace/R3QA210</b>
Chloromethane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210

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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB41**Lab ID:** 1202005-05**Sample Matrix:** Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Styrene	U			1.0	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
<b>Toluene</b>	<b>0.2</b>	J		0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210
<b>o-Xylene</b>	<b>0.08</b>	J		1.0	1	02/21/12	02/21/12 17:57	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.100			<b>102 %</b>	86-115	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.970			<b>99 %</b>	76-114	02/21/12	02/21/12 17:57	CLP trace/R3QA210
Surrogate: Toluene-d8	3.670			<b>92 %</b>	88-110	02/21/12	02/21/12 17:57	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB40**Lab ID:** 1202005-06**Sample Matrix:** Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.9	J		2.0	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Benzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Bromoform	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.09</b>	<b>J</b>		0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB40**Lab ID:** 1202005-06**Sample Matrix:** Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Styrene	U			1.0	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
<b>Toluene</b>	<b>0.2</b>	J		0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210
<b>o-Xylene</b>	<b>0.08</b>	J		1.0	1	02/21/12	02/21/12 18:26	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.020			<b>100 %</b>	86-115	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.110			<b>103 %</b>	76-114	02/21/12	02/21/12 18:26	CLP trace/R3QA210
Surrogate: Toluene-d8	3.910			<b>98 %</b>	88-110	02/21/12	02/21/12 18:26	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW27z**Lab ID:** 1202005-07**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 14:43	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 14:43	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 14:43	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 14:43	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 14:43	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Acenaphthylene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Acetophenone	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Anthracene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Atrazine	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Benzaldehyde	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Benzo(a)anthracene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Benzo(a)pyrene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
1,1-Biphenyl	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.042</b>	<b>B, J</b>	5.00	1	02/15/12	02/21/12 21:14	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Carbazole	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Caprolactam	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
4-Chloroaniline	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2-Chloronaphthalene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2-Chlorophenol	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Chrysene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Dibenzofuran	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
3,3'-Dichlorobenzidine	U		60.0	1	02/15/12	02/21/12 21:14	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW27z**Lab ID:** 1202005-07**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	<b>0.045</b>	B, J	5.00	1	02/15/12	02/21/12 21:14	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Dimethyl phthalate	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2,4-Dinitrophenol	U		60.0	1	02/15/12	02/21/12 21:14	R3QA201
Di-n-butyl phthalate	<b>0.360</b>	B, J	5.00	1	02/15/12	02/21/12 21:14	R3QA201
4,6-Dinitro-2-methylphenol	U		60.0	1	02/15/12	02/21/12 21:14	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Fluoranthene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Fluorene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Hexachlorobenzene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Hexachlorobutadiene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Hexachloroethane	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Isophorone	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2-Methoxyethanol	U		60.0	1	02/15/12	02/21/12 21:14	R3QA201
1-Methylnaphthalene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2-Methylnaphthalene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2-Methylphenol	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
4-Methylphenol	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Naphthalene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2-Nitroaniline	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
3-Nitroaniline	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
4-Nitroaniline	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Nitrobenzene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2-Nitrophenol	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
4-Nitrophenol	U		10.0	1	02/15/12	02/21/12 21:14	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
<b>N-Nitrosodiphenylamine</b>	<b>0.012</b>	J	5.00	1	02/15/12	02/21/12 21:14	R3QA201
Pentachlorophenol	U		60.0	1	02/15/12	02/21/12 21:14	R3QA201
Phenanthrene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Phenol	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
Pyrene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW27z**Lab ID:** 1202005-07**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/15/12	02/21/12 21:14	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	66.2		66 %	21-110	02/15/12	02/21/12 21:14	R3QA201
Surrogate: Phenol-d5	73.2		73 %	10-110	02/15/12	02/21/12 21:14	R3QA201
Surrogate: Nitrobenzene-d5	36.4		73 %	35-114	02/15/12	02/21/12 21:14	R3QA201
Surrogate: 2-Fluorobiphenyl	38.3		77 %	43-116	02/15/12	02/21/12 21:14	R3QA201
Surrogate: 2,4,6-Tribromophenol	75.5		76 %	10-123	02/15/12	02/21/12 21:14	R3QA201
Surrogate: Terphenyl-d14	43.4		87 %	33-141	02/15/12	02/21/12 21:14	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.4	B, J	2.0	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Chloroform	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW27z**Lab ID:** 1202005-07**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Freon 113	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Styrene	U		1.0	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Toluene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW27z**Lab ID:** 1202005-07**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 14:03	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.990		100 %	86-115	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.280		107 %	76-114	02/22/12	02/22/12 14:03	CLP trace/R3QA210
Surrogate: Toluene-d8	3.740		94 %	88-110	02/22/12	02/22/12 14:03	CLP trace/R3QA210



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW27**Lab ID:** 1202005-08**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 15:25	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 15:25	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 15:25	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 15:25	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 15:25	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Acenaphthylene	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Acetophenone	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Anthracene	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Atrazine	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Benzaldehyde	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Benzo(a)anthracene	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Benzo(a)pyrene	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
1,1-Biphenyl	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.048</b>	<b>B, J</b>	5.00	1	02/15/12	02/21/12 22:05	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Carbazole	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Caprolactam	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
4-Chloroaniline	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
2-Chloronaphthalene	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
2-Chlorophenol	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Chrysene	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
Dibenzofuran	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201
3,3'-Dichlorobenzidine	U		60.0	1	02/15/12	02/21/12 22:05	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW27**Lab ID:** 1202005-08**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	<b>0.030</b>			5.00	1	02/15/12	02/21/12 22:05	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Dimethyl phthalate	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/15/12	02/21/12 22:05	R3QA201
Di-n-butyl phthalate	<b>0.331</b>			5.00	1	02/15/12	02/21/12 22:05	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/15/12	02/21/12 22:05	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Fluoranthene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Fluorene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Hexachlorobenzene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Hexachlorobutadiene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Hexachloroethane	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Isophorone	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
2-Methoxyethanol	U			60.0	1	02/15/12	02/21/12 22:05	R3QA201
1-Methylnaphthalene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
2-Methylnaphthalene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
2-Methylphenol	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
4-Methylphenol	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Naphthalene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
2-Nitroaniline	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
3-Nitroaniline	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
4-Nitroaniline	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Nitrobenzene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
2-Nitrophenol	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
4-Nitrophenol	U			10.0	1	02/15/12	02/21/12 22:05	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Pentachlorophenol	U			60.0	1	02/15/12	02/21/12 22:05	R3QA201
Phenanthrene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Phenol	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
Pyrene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/15/12	02/21/12 22:05	R3QA201

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Region 3 Environmental Science Center  
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701 Mapes Road  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW27**Lab ID:** 1202005-08**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/15/12	02/21/12 22:05	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	68.5		69 %	21-110	02/15/12	02/21/12 22:05	R3QA201
Surrogate: Phenol-d5	75.5		76 %	10-110	02/15/12	02/21/12 22:05	R3QA201
Surrogate: Nitrobenzene-d5	37.6		75 %	35-114	02/15/12	02/21/12 22:05	R3QA201
Surrogate: 2-Fluorobiphenyl	39.2		78 %	43-116	02/15/12	02/21/12 22:05	R3QA201
Surrogate: 2,4,6-Tribromophenol	73.1		73 %	10-123	02/15/12	02/21/12 22:05	R3QA201
Surrogate: Terphenyl-d14	41.0		82 %	33-141	02/15/12	02/21/12 22:05	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.4	B, J	2.0	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Chloroform	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW27**Lab ID:** 1202005-08**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Freon 113	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Styrene	U		1.0	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Toluene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210

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Region 3 Environmental Science Center  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW27**Lab ID:** 1202005-08**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 14:32	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.990		100 %	86-115	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.220		106 %	76-114	02/22/12	02/22/12 14:32	CLP trace/R3QA210
Surrogate: Toluene-d8	3.970		99 %	88-110	02/22/12	02/22/12 14:32	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB16**Lab ID:** 1202005-09**Sample Matrix:** Water**Date Collected:** 02/13/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 15:38	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 15:38	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 15:38	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 15:38	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 15:38	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Acenaphthylene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Acetophenone	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Anthracene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Atrazine	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Benzaldehyde	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Benzo(a)anthracene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Benzo(a)pyrene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
1,1-Biphenyl	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.024</b>	<b>B, J</b>	<b>4.76</b>	<b>1</b>	<b>02/15/12</b>	<b>02/21/12 22:56</b>	<b>R3QA201</b>
4-Bromophenyl phenyl ether	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Carbazole	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Caprolactam	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
4-Chloroaniline	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2-Chloronaphthalene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2-Chlorophenol	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Chrysene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Dibenzofuran	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
3,3'-Dichlorobenzidine	U		57.1	1	02/15/12	02/21/12 22:56	R3QA201



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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB16**Lab ID:** 1202005-09**Sample Matrix:** Water**Date Collected:** 02/13/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.029	B, J	4.76	1	02/15/12	02/21/12 22:56	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Dimethyl phthalate	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2,4-Dinitrophenol	U		57.1	1	02/15/12	02/21/12 22:56	R3QA201
Di-n-butyl phthalate	0.377	B, J	4.76	1	02/15/12	02/21/12 22:56	R3QA201
4,6-Dinitro-2-methylphenol	U		57.1	1	02/15/12	02/21/12 22:56	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Fluoranthene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Fluorene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Hexachlorobenzene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Hexachlorobutadiene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Hexachloroethane	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Isophorone	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2-Methoxyethanol	U		57.1	1	02/15/12	02/21/12 22:56	R3QA201
1-Methylnaphthalene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2-Methylnaphthalene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2-Methylphenol	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
4-Methylphenol	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Naphthalene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2-Nitroaniline	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
3-Nitroaniline	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
4-Nitroaniline	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Nitrobenzene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2-Nitrophenol	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
4-Nitrophenol	U		9.52	1	02/15/12	02/21/12 22:56	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Pentachlorophenol	U		57.1	1	02/15/12	02/21/12 22:56	R3QA201
Phenanthrene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Phenol	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
Pyrene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
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Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB16**Lab ID:** 1202005-09**Sample Matrix:** Water**Date Collected:** 02/13/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/15/12	02/21/12 22:56	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	65.7		69 %	21-110	02/15/12	02/21/12 22:56	R3QA201
Surrogate: Phenol-d5	72.1		76 %	10-110	02/15/12	02/21/12 22:56	R3QA201
Surrogate: Nitrobenzene-d5	36.1		76 %	35-114	02/15/12	02/21/12 22:56	R3QA201
Surrogate: 2-Fluorobiphenyl	35.9		75 %	43-116	02/15/12	02/21/12 22:56	R3QA201
Surrogate: 2,4,6-Tribromophenol	67.2		71 %	10-123	02/15/12	02/21/12 22:56	R3QA201
Surrogate: Terphenyl-d14	36.6		77 %	33-141	02/15/12	02/21/12 22:56	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.6	J	2.0	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Benzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Bromoform	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Bromodichloromethane	0.06	J	0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Chloroform	0.1	J	0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB16**Lab ID:** 1202005-09**Sample Matrix:** Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Freon 113	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Styrene	U		1.0	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
<b>Toluene</b>	<b>0.6</b>		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210

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Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB16**Lab ID:** 1202005-09**Sample Matrix:** Water**Date Collected:** 02/13/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210
<b>o-Xylene</b>	<b>0.1</b>	J	1.0	1	02/21/12	02/21/12 18:54	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.980		100 %	86-115	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.460		112 %	76-114	02/21/12	02/21/12 18:54	CLP trace/R3QA210
Surrogate: Toluene-d8	3.870		97 %	88-110	02/21/12	02/21/12 18:54	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW55**Lab ID:** 1202005-10**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 15:52	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 15:52	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 15:52	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 15:52	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 15:52	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Acenaphthylene	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
Acetophenone	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Anthracene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Atrazine	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Benzaldehyde	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Benzo(a)anthracene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Benzo(a)pyrene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
Benzo(k)fluoranthene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
1,1-Biphenyl	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
Bis(2-chloroethyl)ether	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.023</b>	B, J	5.00	1	02/15/12	02/21/12 23:47	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
Butyl benzyl phthalate	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Carbazole	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Caprolactam	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
4-Chloro-3-methylphenol	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2-Chloronaphthalene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2-Chlorophenol	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
4-Chlorophenyl phenyl ether	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Chrysene	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
Dibenzofuran	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
3,3'-Dichlorobenzidine	U		60.0	1	02/15/12	02/21/12 23:47	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW55**Lab ID:** 1202005-10**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.019</b>	B, J	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2,4-Dichlorophenol	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2,4-Dimethylphenol	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Dimethyl phthalate	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2,4-Dinitrophenol	U		60.0	1	02/15/12	02/21/12 23:47	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.364</b>	B, J	5.00	1	02/15/12	02/21/12 23:47	R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	60.0	1	02/15/12	02/21/12 23:47	R3QA201
2,4-Dinitrotoluene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2,6-Dinitrotoluene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Di-n-octyl phthalate	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Fluoranthene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Fluorene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Hexachlorobenzene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Hexachlorobutadiene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Hexachlorocyclopentadiene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Hexachloroethane	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
Isophorone	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2-Methoxyethanol	U	UJ	60.0	1	02/15/12	02/21/12 23:47	R3QA201
1-Methylnaphthalene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2-Methylnaphthalene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2-Methylphenol	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
4-Methylphenol	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Naphthalene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2-Nitroaniline	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
3-Nitroaniline	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
4-Nitroaniline	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Nitrobenzene	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
2-Nitrophenol	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
4-Nitrophenol	U		10.0	1	02/15/12	02/21/12 23:47	R3QA201
N-Nitrosodimethylamine	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
N-Nitrosodiphenylamine	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Pentachlorophenol	U		60.0	1	02/15/12	02/21/12 23:47	R3QA201
Phenanthrene	U		5.00	1	02/15/12	02/21/12 23:47	R3QA201
Phenol	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
Pyrene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
1,2,4,5-Tetrachlorobenzene	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2,3,4,6-Tetrachlorophenol	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201
2,4,5-Trichlorophenol	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW55**Lab ID:** 1202005-10**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U	UJ	5.00	1	02/15/12	02/21/12 23:47	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	64.7		65 %	21-110	02/15/12	02/21/12 23:47	R3QA201
Surrogate: Phenol-d5	71.5		71 %	10-110	02/15/12	02/21/12 23:47	R3QA201
Surrogate: Nitrobenzene-d5	35.4		71 %	35-114	02/15/12	02/21/12 23:47	R3QA201
Surrogate: 2-Fluorobiphenyl	36.6		73 %	43-116	02/15/12	02/21/12 23:47	R3QA201
Surrogate: 2,4,6-Tribromophenol	67.7		68 %	10-123	02/15/12	02/21/12 23:47	R3QA201
Surrogate: Terphenyl-d14	38.8		78 %	33-141	02/15/12	02/21/12 23:47	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.4	B, J	2.0	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Chloroform	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW55**Lab ID:** 1202005-10**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Freon 113	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Styrene	U		1.0	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Toluene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW55**Lab ID:** 1202005-10**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 15:01	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.750		94 %	86-115	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.450		111 %	76-114	02/22/12	02/22/12 15:01	CLP trace/R3QA210
Surrogate: Toluene-d8	3.710		93 %	88-110	02/22/12	02/22/12 15:01	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW59**Lab ID:** 1202005-11**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 16:06	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 16:06	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 16:06	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 16:06	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 16:06	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Acenaphthylene	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Acetophenone	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Anthracene	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Atrazine	U		57.1	1	02/16/12	02/22/12 17:55	R3QA201
Benzaldehyde	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Benzo(a)anthracene	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Benzo(a)pyrene	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
1,1-Biphenyl	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.049</b>	<b>B, J</b>	<b>4.76</b>	<b>1</b>	<b>02/16/12</b>	<b>02/22/12 17:55</b>	<b>R3QA201</b>
4-Bromophenyl phenyl ether	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Carbazole	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Caprolactam	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
4-Chloroaniline	U		57.1	1	02/16/12	02/22/12 17:55	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
2-Chloronaphthalene	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
2-Chlorophenol	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Chrysene	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
Dibenzofuran	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201
3,3'-Dichlorobenzidine	U	R	57.1	1	02/16/12	02/22/12 17:55	R3QA201



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW59**Lab ID:** 1202005-11**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Dimethyl phthalate	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/16/12	02/22/12 17:55	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.646</b>	B, J		4.76	1	02/16/12	02/22/12 17:55	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/16/12	02/22/12 17:55	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
2,6-Dinitrotoluene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Fluoranthene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Fluorene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Hexachlorobenzene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Hexachlorobutadiene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Hexachloroethane	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Isophorone	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/16/12	02/22/12 17:55	R3QA201
1-Methylnaphthalene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
2-Methylnaphthalene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
2-Methylphenol	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
4-Methylphenol	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Naphthalene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
2-Nitroaniline	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
3-Nitroaniline	U			57.1	1	02/16/12	02/22/12 17:55	R3QA201
4-Nitroaniline	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Nitrobenzene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
2-Nitrophenol	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
4-Nitrophenol	U			9.52	1	02/16/12	02/22/12 17:55	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Pentachlorophenol	U			57.1	1	02/16/12	02/22/12 17:55	R3QA201
Phenanthrene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Phenol	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
Pyrene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/16/12	02/22/12 17:55	R3QA201

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW59**Lab ID:** 1202005-11**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/16/12	02/22/12 17:55	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	59.0		62 %	21-110	02/16/12	02/22/12 17:55	R3QA201
Surrogate: Phenol-d5	65.7		69 %	10-110	02/16/12	02/22/12 17:55	R3QA201
Surrogate: Nitrobenzene-d5	30.2		63 %	35-114	02/16/12	02/22/12 17:55	R3QA201
Surrogate: 2-Fluorobiphenyl	30.1		63 %	43-116	02/16/12	02/22/12 17:55	R3QA201
Surrogate: 2,4,6-Tribromophenol	65.0		68 %	10-123	02/16/12	02/22/12 17:55	R3QA201
Surrogate: Terphenyl-d14	32.0		67 %	33-141	02/16/12	02/22/12 17:55	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>1.2</b>	B, J	2.0	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.2</b>	B, J	0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW59**Lab ID:** 1202005-11**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Freon 113	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Styrene	U		1.0	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Toluene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210

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Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW59**Lab ID:** 1202005-11**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 15:30	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.750		94 %	86-115	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.440		111 %	76-114	02/22/12	02/22/12 15:30	CLP trace/R3QA210
Surrogate: Toluene-d8	3.910		98 %	88-110	02/22/12	02/22/12 15:30	CLP trace/R3QA210



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW11-P**Lab ID:** 1202005-12**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 16:20	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 16:20	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 16:20	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 16:20	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 16:20	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Acenaphthylene	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Acetophenone	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Anthracene	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Atrazine	U		60.0	1	02/16/12	02/22/12 18:46	R3QA201
Benzaldehyde	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Benzo(a)anthracene	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Benzo(a)pyrene	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
1,1-Biphenyl	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Carbazole	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Caprolactam	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
4-Chloroaniline	U		60.0	1	02/16/12	02/22/12 18:46	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
2-Chloronaphthalene	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
2-Chlorophenol	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Chrysene	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
Dibenzofuran	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201
3,3'-Dichlorobenzidine	U	R	60.0	1	02/16/12	02/22/12 18:46	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW11-P**Lab ID:** 1202005-12**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Dimethyl phthalate	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/16/12	02/22/12 18:46	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.612</b>	B, J		5.00	1	02/16/12	02/22/12 18:46	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/16/12	02/22/12 18:46	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Fluoranthene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Fluorene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Hexachlorobenzene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Hexachlorobutadiene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Hexachloroethane	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Isophorone	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
2-Methoxyethanol	U	R		60.0	1	02/16/12	02/22/12 18:46	R3QA201
1-Methylnaphthalene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
2-Methylnaphthalene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
2-Methylphenol	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
4-Methylphenol	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Naphthalene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
2-Nitroaniline	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
3-Nitroaniline	U			60.0	1	02/16/12	02/22/12 18:46	R3QA201
4-Nitroaniline	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Nitrobenzene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
2-Nitrophenol	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
4-Nitrophenol	U			10.0	1	02/16/12	02/22/12 18:46	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Pentachlorophenol	U			60.0	1	02/16/12	02/22/12 18:46	R3QA201
Phenanthrene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Phenol	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
Pyrene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/16/12	02/22/12 18:46	R3QA201

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# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



**Site Name:** Dimock Residential Groundwater

**Project #:** DAS R33907

**Station ID:** HW11-P

**Lab ID:** 1202005-12

**Sample Matrix:** Drinking Water

**Date Collected:** 02/13/2012

### Semivolatile Organic Compounds Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/16/12	02/22/12 18:46	R3QA201

### Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	43.8		44 %	21-110	02/16/12	02/22/12 18:46	R3QA201
Surrogate: Phenol-d5	51.8		52 %	10-110	02/16/12	02/22/12 18:46	R3QA201
Surrogate: Nitrobenzene-d5	29.7		59 %	35-114	02/16/12	02/22/12 18:46	R3QA201
Surrogate: 2-Fluorobiphenyl	30.8		62 %	43-116	02/16/12	02/22/12 18:46	R3QA201
Surrogate: 2,4,6-Tribromophenol	59.8		60 %	10-123	02/16/12	02/22/12 18:46	R3QA201
Surrogate: Terphenyl-d14	33.3		67 %	33-141	02/16/12	02/22/12 18:46	R3QA201

### Volatile Organic Compounds Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>5.7</b>	B, J	2.0	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
<b>2-Butanone</b>	<b>1.4</b>	J	2.0	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Chloroform	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW11-P**Lab ID:** 1202005-12**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Freon 113	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Styrene	U		1.0	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Toluene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW11-P**Lab ID:** 1202005-12**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 15:59	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.990		100 %	86-115	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.620	A	116 %	76-114	02/22/12	02/22/12 15:59	CLP trace/R3QA210
Surrogate: Toluene-d8	3.630		91 %	88-110	02/22/12	02/22/12 15:59	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW11**Lab ID:** 1202005-13**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 16:33	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 16:33	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 16:33	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 16:33	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 16:33	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Acenaphthylene	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Acetophenone	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Anthracene	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Atrazine	U		57.1	1	02/16/12	02/22/12 19:37	R3QA201
Benzaldehyde	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Benzo(a)anthracene	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Benzo(a)pyrene	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
1,1-Biphenyl	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Carbazole	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Caprolactam	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
4-Chloroaniline	U		57.1	1	02/16/12	02/22/12 19:37	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
2-Chloronaphthalene	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
2-Chlorophenol	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Chrysene	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
Dibenzofuran	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201
3,3'-Dichlorobenzidine	U	R	57.1	1	02/16/12	02/22/12 19:37	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW11**Lab ID:** 1202005-13**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Dimethyl phthalate	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/16/12	02/22/12 19:37	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.686</b>	B, J		4.76	1	02/16/12	02/22/12 19:37	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/16/12	02/22/12 19:37	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
2,6-Dinitrotoluene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Fluoranthene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Fluorene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Hexachlorobenzene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Hexachlorobutadiene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Hexachloroethane	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Isophorone	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/16/12	02/22/12 19:37	R3QA201
1-Methylnaphthalene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
2-Methylnaphthalene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
2-Methylphenol	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
4-Methylphenol	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Naphthalene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
2-Nitroaniline	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
3-Nitroaniline	U			57.1	1	02/16/12	02/22/12 19:37	R3QA201
4-Nitroaniline	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Nitrobenzene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
2-Nitrophenol	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
4-Nitrophenol	U			9.52	1	02/16/12	02/22/12 19:37	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Pentachlorophenol	U			57.1	1	02/16/12	02/22/12 19:37	R3QA201
Phenanthrene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Phenol	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
Pyrene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/16/12	02/22/12 19:37	R3QA201

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW11**Lab ID:** 1202005-13**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/16/12	02/22/12 19:37	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	59.2		62 %	21-110	02/16/12	02/22/12 19:37	R3QA201
Surrogate: Phenol-d5	66.0		69 %	10-110	02/16/12	02/22/12 19:37	R3QA201
Surrogate: Nitrobenzene-d5	30.4		64 %	35-114	02/16/12	02/22/12 19:37	R3QA201
Surrogate: 2-Fluorobiphenyl	30.4		64 %	43-116	02/16/12	02/22/12 19:37	R3QA201
Surrogate: 2,4,6-Tribromophenol	65.1		68 %	10-123	02/16/12	02/22/12 19:37	R3QA201
Surrogate: Terphenyl-d14	33.0		69 %	33-141	02/16/12	02/22/12 19:37	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.4	B, J	2.0	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Benzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Bromoform	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Chloroform	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW11**Lab ID:** 1202005-13**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Freon 113	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Styrene	U		1.0	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Toluene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW11**Lab ID:** 1202005-13**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/23/12	02/23/12 13:07	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.670		92 %	86-115	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.460		112 %	76-114	02/23/12	02/23/12 13:07	CLP trace/R3QA210
Surrogate: Toluene-d8	3.760		94 %	88-110	02/23/12	02/23/12 13:07	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW53**Lab ID:** 1202005-14**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 16:47	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 16:47	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 16:47	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 16:47	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 16:47	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Acenaphthylene	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Acetophenone	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
<b>Anthracene</b>	<b>0.041</b>	J	4.76	1	02/16/12	02/22/12 20:28	R3QA201
Atrazine	U		57.1	1	02/16/12	02/22/12 20:28	R3QA201
Benzaldehyde	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Benzo(a)anthracene	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Benzo(a)pyrene	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
1,1-Biphenyl	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.116</b>	B, J	4.76	1	02/16/12	02/22/12 20:28	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
<b>Butyl benzyl phthalate</b>	<b>0.101</b>	J	4.76	1	02/16/12	02/22/12 20:28	R3QA201
<b>Carbazole</b>	<b>0.058</b>	J	4.76	1	02/16/12	02/22/12 20:28	R3QA201
Caprolactam	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
4-Chloroaniline	U		57.1	1	02/16/12	02/22/12 20:28	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
2-Chloronaphthalene	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
2-Chlorophenol	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Chrysene	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Dibenzofuran	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201
3,3'-Dichlorobenzidine	U	R	57.1	1	02/16/12	02/22/12 20:28	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW53**Lab ID:** 1202005-14**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Dimethyl phthalate	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/16/12	02/22/12 20:28	R3QA201
<b>Di-n-butyl phthalate</b>	<b>1.10</b>	B, J		4.76	1	02/16/12	02/22/12 20:28	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/16/12	02/22/12 20:28	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
2,6-Dinitrotoluene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
<b>Fluoranthene</b>	<b>0.060</b>	J		4.76	1	02/16/12	02/22/12 20:28	R3QA201
Fluorene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Hexachlorobenzene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Hexachlorobutadiene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Hexachloroethane	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Isophorone	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/16/12	02/22/12 20:28	R3QA201
1-Methylnaphthalene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
2-Methylnaphthalene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
2-Methylphenol	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
4-Methylphenol	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Naphthalene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
2-Nitroaniline	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
3-Nitroaniline	U			57.1	1	02/16/12	02/22/12 20:28	R3QA201
4-Nitroaniline	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Nitrobenzene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
2-Nitrophenol	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
4-Nitrophenol	U			9.52	1	02/16/12	02/22/12 20:28	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Pentachlorophenol	U			57.1	1	02/16/12	02/22/12 20:28	R3QA201
Phenanthrene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
Phenol	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
<b>Pyrene</b>	<b>0.065</b>	J		4.76	1	02/16/12	02/22/12 20:28	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/16/12	02/22/12 20:28	R3QA201



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



**Site Name:** Dimock Residential Groundwater

**Project #:** DAS R33907

**Station ID:** HW53

**Lab ID:** 1202005-14

**Sample Matrix:** Drinking Water

**Date Collected:** 02/13/2012

### Semivolatile Organic Compounds Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/16/12	02/22/12 20:28	R3QA201

### Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	59.1		62 %	21-110	02/16/12	02/22/12 20:28	R3QA201
Surrogate: Phenol-d5	64.5		68 %	10-110	02/16/12	02/22/12 20:28	R3QA201
Surrogate: Nitrobenzene-d5	31.2		66 %	35-114	02/16/12	02/22/12 20:28	R3QA201
Surrogate: 2-Fluorobiphenyl	30.5		64 %	43-116	02/16/12	02/22/12 20:28	R3QA201
Surrogate: 2,4,6-Tribromophenol	62.0		65 %	10-123	02/16/12	02/22/12 20:28	R3QA201
Surrogate: Terphenyl-d14	32.6		68 %	33-141	02/16/12	02/22/12 20:28	R3QA201

### Volatile Organic Compounds Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.0	B, J	2.0	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Chloroform	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW53**Lab ID:** 1202005-14**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Freon 113	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Styrene	U		1.0	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Toluene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW53**Lab ID:** 1202005-14**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 16:58	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.990		100 %	86-115	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.350		109 %	76-114	02/22/12	02/22/12 16:58	CLP trace/R3QA210
Surrogate: Toluene-d8	3.730		93 %	88-110	02/22/12	02/22/12 16:58	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW53-P**Lab ID:** 1202005-15**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 17:01	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 17:01	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 17:01	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 17:01	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 17:01	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Acenaphthylene	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Acetophenone	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Anthracene	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Atrazine	U		57.1	1	02/16/12	02/22/12 21:19	R3QA201
Benzaldehyde	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Benzo(a)anthracene	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Benzo(a)pyrene	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
1,1-Biphenyl	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.035</b>	<b>B, J</b>	<b>4.76</b>	<b>1</b>	<b>02/16/12</b>	<b>02/22/12 21:19</b>	<b>R3QA201</b>
4-Bromophenyl phenyl ether	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Carbazole	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Caprolactam	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
4-Chloroaniline	U		57.1	1	02/16/12	02/22/12 21:19	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
2-Chloronaphthalene	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
2-Chlorophenol	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Chrysene	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
Dibenzofuran	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201
3,3'-Dichlorobenzidine	U	R	57.1	1	02/16/12	02/22/12 21:19	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW53-P**Lab ID:** 1202005-15**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Dimethyl phthalate	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/16/12	02/22/12 21:19	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.522</b>	B, J		4.76	1	02/16/12	02/22/12 21:19	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/16/12	02/22/12 21:19	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
2,6-Dinitrotoluene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Fluoranthene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Fluorene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Hexachlorobenzene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Hexachlorobutadiene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Hexachloroethane	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Isophorone	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/16/12	02/22/12 21:19	R3QA201
1-Methylnaphthalene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
2-Methylnaphthalene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
2-Methylphenol	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
4-Methylphenol	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Naphthalene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
2-Nitroaniline	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
3-Nitroaniline	U			57.1	1	02/16/12	02/22/12 21:19	R3QA201
4-Nitroaniline	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Nitrobenzene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
2-Nitrophenol	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
4-Nitrophenol	U			9.52	1	02/16/12	02/22/12 21:19	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Pentachlorophenol	U			57.1	1	02/16/12	02/22/12 21:19	R3QA201
Phenanthrene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Phenol	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
Pyrene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/16/12	02/22/12 21:19	R3QA201

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW53-P**Lab ID:** 1202005-15**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/16/12	02/22/12 21:19	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	50.4		53 %	21-110	02/16/12	02/22/12 21:19	R3QA201
Surrogate: Phenol-d5	57.1		60 %	10-110	02/16/12	02/22/12 21:19	R3QA201
Surrogate: Nitrobenzene-d5	25.6		54 %	35-114	02/16/12	02/22/12 21:19	R3QA201
Surrogate: 2-Fluorobiphenyl	25.8		54 %	43-116	02/16/12	02/22/12 21:19	R3QA201
Surrogate: 2,4,6-Tribromophenol	59.1		62 %	10-123	02/16/12	02/22/12 21:19	R3QA201
Surrogate: Terphenyl-d14	27.6		58 %	33-141	02/16/12	02/22/12 21:19	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.1	B, J	2.0	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Chloroform	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW53-P**Lab ID:** 1202005-15**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Freon 113	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Styrene	U		1.0	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Toluene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210

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Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW53-P**Lab ID:** 1202005-15**Sample Matrix:** Drinking Water**Date Collected:** 02/13/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 17:27	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.770		94 %	86-115	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.360		109 %	76-114	02/22/12	02/22/12 17:27	CLP trace/R3QA210
Surrogate: Toluene-d8	3.710		93 %	88-110	02/22/12	02/22/12 17:27	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB17**Lab ID:** 1202005-16**Sample Matrix:** Water**Date Collected:** 02/14/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 17:14	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 17:14	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 17:14	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 17:14	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 17:14	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Acenaphthylene	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Acetophenone	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Anthracene	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Atrazine	U		57.1	1	02/16/12	02/22/12 22:10	R3QA201
Benzaldehyde	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Benzo(a)anthracene	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Benzo(a)pyrene	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
1,1-Biphenyl	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Carbazole	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Caprolactam	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
4-Chloroaniline	U		57.1	1	02/16/12	02/22/12 22:10	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
2-Chloronaphthalene	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
2-Chlorophenol	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Chrysene	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
Dibenzofuran	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201
3,3'-Dichlorobenzidine	U	R	57.1	1	02/16/12	02/22/12 22:10	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB17**Lab ID:** 1202005-16**Sample Matrix:** Water**Date Collected:** 02/14/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Dimethyl phthalate	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/16/12	02/22/12 22:10	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.309</b>	B, J		4.76	1	02/16/12	02/22/12 22:10	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/16/12	02/22/12 22:10	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
2,6-Dinitrotoluene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Fluoranthene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Fluorene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Hexachlorobenzene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Hexachlorobutadiene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Hexachloroethane	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Isophorone	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/16/12	02/22/12 22:10	R3QA201
1-Methylnaphthalene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
2-Methylnaphthalene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
2-Methylphenol	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
4-Methylphenol	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Naphthalene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
2-Nitroaniline	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
3-Nitroaniline	U			57.1	1	02/16/12	02/22/12 22:10	R3QA201
4-Nitroaniline	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Nitrobenzene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
2-Nitrophenol	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
4-Nitrophenol	U			9.52	1	02/16/12	02/22/12 22:10	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Pentachlorophenol	U			57.1	1	02/16/12	02/22/12 22:10	R3QA201
Phenanthrene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Phenol	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
Pyrene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/16/12	02/22/12 22:10	R3QA201

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB17**Lab ID:** 1202005-16**Sample Matrix:** Water**Date Collected:** 02/14/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/16/12	02/22/12 22:10	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	47.6		50 %	21-110	02/16/12	02/22/12 22:10	R3QA201
Surrogate: Phenol-d5	51.9		54 %	10-110	02/16/12	02/22/12 22:10	R3QA201
Surrogate: Nitrobenzene-d5	23.2		49 %	35-114	02/16/12	02/22/12 22:10	R3QA201
Surrogate: 2-Fluorobiphenyl	23.6		50 %	43-116	02/16/12	02/22/12 22:10	R3QA201
Surrogate: 2,4,6-Tribromophenol	44.9		47 %	10-123	02/16/12	02/22/12 22:10	R3QA201
Surrogate: Terphenyl-d14	25.2		53 %	33-141	02/16/12	02/22/12 22:10	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.2	J	2.0	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Benzene	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Bromoform	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Chloroform	0.1	J	0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB17**Lab ID:** 1202005-16**Sample Matrix:** Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			2.0	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Freon 113	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Styrene	U			1.0	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Toluene	0.1	J	0.5	1	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB17**Lab ID:** 1202005-16**Sample Matrix:** Water**Date Collected:** 02/14/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/21/12	02/21/12 19:22	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.060		102 %	86-115	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.370		109 %	76-114	02/21/12	02/21/12 19:22	CLP trace/R3QA210
Surrogate: Toluene-d8	3.950		99 %	88-110	02/21/12	02/21/12 19:22	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW57-P**Lab ID:** 1202005-17**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 17:28	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 17:28	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 17:28	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 17:28	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 17:28	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Acenaphthylene	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Acetophenone	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Anthracene	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Atrazine	U		57.1	1	02/16/12	02/23/12 07:04	R3QA201
Benzaldehyde	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Benzo(a)anthracene	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Benzo(a)pyrene	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
1,1-Biphenyl	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Carbazole	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Caprolactam	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
4-Chloroaniline	U		57.1	1	02/16/12	02/23/12 07:04	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
2-Chloronaphthalene	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
2-Chlorophenol	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Chrysene	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
Dibenzofuran	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201
3,3'-Dichlorobenzidine	U	R	57.1	1	02/16/12	02/23/12 07:04	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW57-P**Lab ID:** 1202005-17**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Dimethyl phthalate	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/16/12	02/23/12 07:04	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.567</b>	B, J		4.76	1	02/16/12	02/23/12 07:04	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/16/12	02/23/12 07:04	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
2,6-Dinitrotoluene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Fluoranthene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Fluorene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Hexachlorobenzene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Hexachlorobutadiene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Hexachloroethane	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Isophorone	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/16/12	02/23/12 07:04	R3QA201
1-Methylnaphthalene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
2-Methylnaphthalene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
2-Methylphenol	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
4-Methylphenol	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Naphthalene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
2-Nitroaniline	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
3-Nitroaniline	U			57.1	1	02/16/12	02/23/12 07:04	R3QA201
4-Nitroaniline	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Nitrobenzene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
2-Nitrophenol	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
4-Nitrophenol	U			9.52	1	02/16/12	02/23/12 07:04	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Pentachlorophenol	U			57.1	1	02/16/12	02/23/12 07:04	R3QA201
Phenanthrene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Phenol	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
Pyrene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/16/12	02/23/12 07:04	R3QA201

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW57-P**Lab ID:** 1202005-17**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/16/12	02/23/12 07:04	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	56.2		59 %	21-110	02/16/12	02/23/12 07:04	R3QA201
Surrogate: Phenol-d5	61.1		64 %	10-110	02/16/12	02/23/12 07:04	R3QA201
Surrogate: Nitrobenzene-d5	27.9		58 %	35-114	02/16/12	02/23/12 07:04	R3QA201
Surrogate: 2-Fluorobiphenyl	27.4		58 %	43-116	02/16/12	02/23/12 07:04	R3QA201
Surrogate: 2,4,6-Tribromophenol	56.6		59 %	10-123	02/16/12	02/23/12 07:04	R3QA201
Surrogate: Terphenyl-d14	30.4		64 %	33-141	02/16/12	02/23/12 07:04	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Benzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Bromoform	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Chloroform	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW57-P**Lab ID:** 1202005-17**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Freon 113	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Styrene	U		1.0	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Toluene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW57-P**Lab ID:** 1202005-17**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/23/12	02/23/12 13:37	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.040		101 %	86-115	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.430		111 %	76-114	02/23/12	02/23/12 13:37	CLP trace/R3QA210
Surrogate: Toluene-d8	3.700		92 %	88-110	02/23/12	02/23/12 13:37	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW58**Lab ID:** 1202005-18**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 17:42	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 17:42	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 17:42	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 17:42	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 17:42	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Acenaphthylene	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Acetophenone	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Anthracene	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Atrazine	U		57.1	1	02/16/12	02/23/12 07:54	R3QA201
Benzaldehyde	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Benzo(a)anthracene	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Benzo(a)pyrene	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
1,1-Biphenyl	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Carbazole	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Caprolactam	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
4-Chloroaniline	U		57.1	1	02/16/12	02/23/12 07:54	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
2-Chloronaphthalene	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
2-Chlorophenol	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Chrysene	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
Dibenzofuran	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201
3,3'-Dichlorobenzidine	U	R	57.1	1	02/16/12	02/23/12 07:54	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW58**Lab ID:** 1202005-18**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Dimethyl phthalate	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/16/12	02/23/12 07:54	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.506</b>	B, J		4.76	1	02/16/12	02/23/12 07:54	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/16/12	02/23/12 07:54	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
2,6-Dinitrotoluene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Fluoranthene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Fluorene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Hexachlorobenzene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Hexachlorobutadiene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Hexachloroethane	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Isophorone	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/16/12	02/23/12 07:54	R3QA201
1-Methylnaphthalene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
2-Methylnaphthalene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
2-Methylphenol	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
4-Methylphenol	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Naphthalene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
2-Nitroaniline	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
3-Nitroaniline	U			57.1	1	02/16/12	02/23/12 07:54	R3QA201
4-Nitroaniline	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Nitrobenzene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
2-Nitrophenol	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
4-Nitrophenol	U			9.52	1	02/16/12	02/23/12 07:54	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Pentachlorophenol	U			57.1	1	02/16/12	02/23/12 07:54	R3QA201
Phenanthrene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Phenol	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
Pyrene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/16/12	02/23/12 07:54	R3QA201

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# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



**Site Name:** Dimock Residential Groundwater

**Project #:** DAS R33907

**Station ID:** HW58

**Lab ID:** 1202005-18

**Sample Matrix:** Drinking Water

**Date Collected:** 02/14/2012

### Semivolatile Organic Compounds Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/16/12	02/23/12 07:54	R3QA201

### Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	54.0		57 %	21-110	02/16/12	02/23/12 07:54	R3QA201
Surrogate: Phenol-d5	61.0		64 %	10-110	02/16/12	02/23/12 07:54	R3QA201
Surrogate: Nitrobenzene-d5	27.4		58 %	35-114	02/16/12	02/23/12 07:54	R3QA201
Surrogate: 2-Fluorobiphenyl	27.5		58 %	43-116	02/16/12	02/23/12 07:54	R3QA201
Surrogate: 2,4,6-Tribromophenol	55.5		58 %	10-123	02/16/12	02/23/12 07:54	R3QA201
Surrogate: Terphenyl-d14	31.6		66 %	33-141	02/16/12	02/23/12 07:54	R3QA201

### Volatile Organic Compounds Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.6	B, J	2.0	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Chloroform	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW58**Lab ID:** 1202005-18**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Freon 113	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Styrene	U		1.0	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Toluene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW58**Lab ID:** 1202005-18**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 18:25	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.740		94 %	86-115	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.630	A	116 %	76-114	02/22/12	02/22/12 18:25	CLP trace/R3QA210
Surrogate: Toluene-d8	3.720		93 %	88-110	02/22/12	02/22/12 18:25	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB43**Lab ID:** 1202005-19**Sample Matrix:** Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>4.6</b>		J	2.0	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Benzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Bromoform	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
<b>Bromodichloromethane</b>	<b>0.05</b>		J	0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.1</b>		J	0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB43**Lab ID:** 1202005-19**Sample Matrix:** Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Styrene	U			1.0	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
<b>Toluene</b>	<b>0.1</b>	J		0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210
<b>o-Xylene</b>	<b>0.06</b>	J		1.0	1	02/21/12	02/21/12 19:50	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.940			<b>98 %</b>	86-115	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.420			<b>110 %</b>	76-114	02/21/12	02/21/12 19:50	CLP trace/R3QA210
Surrogate: Toluene-d8	3.790			<b>95 %</b>	88-110	02/21/12	02/21/12 19:50	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB42**Lab ID:** 1202005-20**Sample Matrix:** Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	5.0	J		2.0	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Benzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Bromoform	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Chloroform	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB42**Lab ID:** 1202005-20**Sample Matrix:** Water**Date Collected:** 02/13/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Styrene	U			1.0	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
<b>Toluene</b>	<b>0.2</b>	J		0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210
o-Xylene	U			1.0	1	02/21/12	02/21/12 20:18	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.000			100 %	86-115	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.430			111 %	76-114	02/21/12	02/21/12 20:18	CLP trace/R3QA210
Surrogate: Toluene-d8	3.900			98 %	88-110	02/21/12	02/21/12 20:18	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB47**Lab ID:** 1202005-21**Sample Matrix:** Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.5	J		2.0	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Benzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Bromoform	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.1</b>	<b>J</b>		0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB47**Lab ID:** 1202005-21**Sample Matrix:** Water**Date Collected:** 02/14/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Styrene	U			1.0	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
<b>Toluene</b>	<b>0.2</b>	J		0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210
<b>o-Xylene</b>	<b>0.07</b>	J		1.0	1	02/21/12	02/21/12 20:47	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.900			98 %	86-115	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.530			113 %	76-114	02/21/12	02/21/12 20:47	CLP trace/R3QA210
Surrogate: Toluene-d8	3.940			98 %	88-110	02/21/12	02/21/12 20:47	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB45**Lab ID:** 1202005-22**Sample Matrix:** Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.4	J		2.0	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Benzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Bromoform	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.1</b>	<b>J</b>		0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB45**Lab ID:** 1202005-22**Sample Matrix:** Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Styrene	U			1.0	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
<b>Toluene</b>	<b>0.1</b>	J		0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210
<b>o-Xylene</b>	<b>0.07</b>	J		1.0	1	02/21/12	02/21/12 21:15	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.820			96 %	86-115	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.440			111 %	76-114	02/21/12	02/21/12 21:15	CLP trace/R3QA210
Surrogate: Toluene-d8	3.810			95 %	88-110	02/21/12	02/21/12 21:15	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB44**Lab ID:** 1202005-23**Sample Matrix:** Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.4	J		2.0	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Benzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Bromoform	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.1</b>	<b>J</b>		0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB44**Lab ID:** 1202005-23**Sample Matrix:** Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Styrene	U			1.0	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
<b>Toluene</b>	<b>0.1</b>	J		0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210
o-Xylene	U			1.0	1	02/21/12	02/21/12 21:43	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	%Recovery Qualifiers	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.850		96 %	86-115	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.170		104 %	76-114	02/21/12	02/21/12 21:43	CLP trace/R3QA210
Surrogate: Toluene-d8	3.900		98 %	88-110	02/21/12	02/21/12 21:43	CLP trace/R3QA210



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Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW57**Lab ID:** 1202005-33**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 17:56	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 17:56	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 17:56	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 17:56	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 17:56	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Acenaphthylene	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Acetophenone	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Anthracene	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Atrazine	U		60.0	1	02/16/12	02/23/12 08:44	R3QA201
Benzaldehyde	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Benzo(a)anthracene	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Benzo(a)pyrene	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
1,1-Biphenyl	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>3.45</b>	J	5.00	1	02/16/12	02/23/12 08:44	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Carbazole	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Caprolactam	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
4-Chloroaniline	U		60.0	1	02/16/12	02/23/12 08:44	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
2-Chloronaphthalene	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
2-Chlorophenol	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Chrysene	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
Dibenzofuran	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201
3,3'-Dichlorobenzidine	U	R	60.0	1	02/16/12	02/23/12 08:44	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW57**Lab ID:** 1202005-33**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.012		B, J	5.00	1	02/16/12	02/23/12 08:44	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Dimethyl phthalate	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/16/12	02/23/12 08:44	R3QA201
Di-n-butyl phthalate	0.967		B, J	5.00	1	02/16/12	02/23/12 08:44	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/16/12	02/23/12 08:44	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Fluoranthene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Fluorene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Hexachlorobenzene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Hexachlorobutadiene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Hexachloroethane	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Isophorone	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
2-Methoxyethanol	U	R		60.0	1	02/16/12	02/23/12 08:44	R3QA201
1-Methylnaphthalene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
2-Methylnaphthalene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
2-Methylphenol	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
4-Methylphenol	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Naphthalene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
2-Nitroaniline	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
3-Nitroaniline	U			60.0	1	02/16/12	02/23/12 08:44	R3QA201
4-Nitroaniline	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Nitrobenzene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
2-Nitrophenol	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
4-Nitrophenol	U			10.0	1	02/16/12	02/23/12 08:44	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Pentachlorophenol	U			60.0	1	02/16/12	02/23/12 08:44	R3QA201
Phenanthrene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Phenol	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
Pyrene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/16/12	02/23/12 08:44	R3QA201



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW57**Lab ID:** 1202005-33**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/16/12	02/23/12 08:44	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	50.8		51 %	21-110	02/16/12	02/23/12 08:44	R3QA201
Surrogate: Phenol-d5	56.6		57 %	10-110	02/16/12	02/23/12 08:44	R3QA201
Surrogate: Nitrobenzene-d5	24.6		49 %	35-114	02/16/12	02/23/12 08:44	R3QA201
Surrogate: 2-Fluorobiphenyl	25.7		51 %	43-116	02/16/12	02/23/12 08:44	R3QA201
Surrogate: 2,4,6-Tribromophenol	41.4		41 %	10-123	02/16/12	02/23/12 08:44	R3QA201
Surrogate: Terphenyl-d14	29.5		59 %	33-141	02/16/12	02/23/12 08:44	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.1	B, J	2.0	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Chloroform	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW57**Lab ID:** 1202005-33**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Freon 113	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Styrene	U		1.0	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Toluene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW57**Lab ID:** 1202005-33**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 18:54	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.990		100 %	86-115	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.510		113 %	76-114	02/22/12	02/22/12 18:54	CLP trace/R3QA210
Surrogate: Toluene-d8	3.810		95 %	88-110	02/22/12	02/22/12 18:54	CLP trace/R3QA210



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701 Mapes Road  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW03**Lab ID:** 1202005-34**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 19:04	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 19:04	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 19:04	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 19:04	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 19:04	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Acenaphthylene	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Acetophenone	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Anthracene	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Atrazine	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Benzaldehyde	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Benzo(a)anthracene	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Benzo(a)pyrene	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
1,1-Biphenyl	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.585</b>	<b>B, J</b>	5.00	1	02/17/12	02/23/12 03:42	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Carbazole	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Caprolactam	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
4-Chloroaniline	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
2-Chloronaphthalene	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
2-Chlorophenol	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Chrysene	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
Dibenzofuran	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW03**Lab ID:** 1202005-34**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	<b>0.015</b>			5.00	1	02/17/12	02/23/12 03:42	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Dimethyl phthalate	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/17/12	02/23/12 03:42	R3QA201
Di-n-butyl phthalate	<b>0.514</b>			5.00	1	02/17/12	02/23/12 03:42	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/17/12	02/23/12 03:42	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Fluoranthene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Fluorene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Hexachlorobenzene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Hexachlorobutadiene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Hexachloroethane	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Isophorone	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
2-Methoxyethanol	U			60.0	1	02/17/12	02/23/12 03:42	R3QA201
1-Methylnaphthalene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
2-Methylnaphthalene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
2-Methylphenol	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
4-Methylphenol	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Naphthalene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
2-Nitroaniline	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
3-Nitroaniline	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
4-Nitroaniline	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Nitrobenzene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
2-Nitrophenol	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
4-Nitrophenol	U			10.0	1	02/17/12	02/23/12 03:42	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Pentachlorophenol	U			60.0	1	02/17/12	02/23/12 03:42	R3QA201
Phenanthrene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Phenol	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
Pyrene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/17/12	02/23/12 03:42	R3QA201



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW03**Lab ID:** 1202005-34**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/17/12	02/23/12 03:42	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	74.6		75 %	21-110	02/17/12	02/23/12 03:42	R3QA201
Surrogate: Phenol-d5	83.4		83 %	10-110	02/17/12	02/23/12 03:42	R3QA201
Surrogate: Nitrobenzene-d5	38.3		77 %	35-114	02/17/12	02/23/12 03:42	R3QA201
Surrogate: 2-Fluorobiphenyl	38.7		77 %	43-116	02/17/12	02/23/12 03:42	R3QA201
Surrogate: 2,4,6-Tribromophenol	84.7		85 %	10-123	02/17/12	02/23/12 03:42	R3QA201
Surrogate: Terphenyl-d14	41.9		84 %	33-141	02/17/12	02/23/12 03:42	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>2.2</b>	B, J	2.0	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
<b>Carbon disulfide</b>	<b>0.08</b>	J	0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Chloroform	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210



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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW03**Lab ID:** 1202005-34**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Freon 113	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Styrene	U		1.0	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Toluene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW03**Lab ID:** 1202005-34**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 19:23	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.840		96 %	86-115	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.740	A	118 %	76-114	02/22/12	02/22/12 19:23	CLP trace/R3QA210
Surrogate: Toluene-d8	3.720		93 %	88-110	02/22/12	02/22/12 19:23	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW03z**Lab ID:** 1202005-36**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 19:18	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 19:18	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 19:18	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 19:18	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 19:18	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Acenaphthylene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Acetophenone	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Anthracene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Atrazine	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Benzaldehyde	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Benzo(a)anthracene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Benzo(a)pyrene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
1,1-Biphenyl	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.476</b>	B, J	5.00	1	02/17/12	02/23/12 04:32	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Carbazole	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
<b>Caprolactam</b>	<b>0.438</b>	J	5.00	1	02/17/12	02/23/12 04:32	R3QA201
4-Chloroaniline	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2-Chloronaphthalene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2-Chlorophenol	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Chrysene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Dibenzofuran	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW03z**Lab ID:** 1202005-36**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Dimethyl phthalate	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2,4-Dinitrophenol	U		60.0	1	02/17/12	02/23/12 04:32	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.435</b>	B, J	5.00	1	02/17/12	02/23/12 04:32	R3QA201
4,6-Dinitro-2-methylphenol	U		60.0	1	02/17/12	02/23/12 04:32	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Fluoranthene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Fluorene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Hexachlorobenzene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Hexachlorobutadiene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Hexachloroethane	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Isophorone	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2-Methoxyethanol	U		60.0	1	02/17/12	02/23/12 04:32	R3QA201
1-Methylnaphthalene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2-Methylnaphthalene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2-Methylphenol	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
4-Methylphenol	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Naphthalene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2-Nitroaniline	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
3-Nitroaniline	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
4-Nitroaniline	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Nitrobenzene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2-Nitrophenol	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
4-Nitrophenol	U		10.0	1	02/17/12	02/23/12 04:32	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Pentachlorophenol	U		60.0	1	02/17/12	02/23/12 04:32	R3QA201
Phenanthrene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Phenol	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
Pyrene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW03z**Lab ID:** 1202005-36**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/17/12	02/23/12 04:32	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	78.4		78 %	21-110	02/17/12	02/23/12 04:32	R3QA201
Surrogate: Phenol-d5	86.3		86 %	10-110	02/17/12	02/23/12 04:32	R3QA201
Surrogate: Nitrobenzene-d5	38.9		78 %	35-114	02/17/12	02/23/12 04:32	R3QA201
Surrogate: 2-Fluorobiphenyl	38.8		78 %	43-116	02/17/12	02/23/12 04:32	R3QA201
Surrogate: 2,4,6-Tribromophenol	82.7		83 %	10-123	02/17/12	02/23/12 04:32	R3QA201
Surrogate: Terphenyl-d14	45.1		90 %	33-141	02/17/12	02/23/12 04:32	R3QA201

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>1.8</b>	B, J	2.0	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
<b>2-Butanone</b>	<b>0.8</b>	J	2.0	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
<b>Carbon disulfide</b>	<b>0.09</b>	J	0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Chloroform	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW03z**Lab ID:** 1202005-36**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Freon 113	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Styrene	U		1.0	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Toluene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW03z**Lab ID:** 1202005-36**Sample Matrix:** Drinking Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 19:51	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.910		98 %	86-115	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.330		108 %	76-114	02/22/12	02/22/12 19:51	CLP trace/R3QA210
Surrogate: Toluene-d8	3.680		92 %	88-110	02/22/12	02/22/12 19:51	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB46**Lab ID:** 1202005-37**Sample Matrix:** Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.4	J		2.0	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Benzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Bromoform	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.1</b>	<b>J</b>		0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB46**Lab ID:** 1202005-37**Sample Matrix:** Water**Date Collected:** 02/14/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Styrene	U			1.0	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
<b>Toluene</b>	<b>0.1</b>	J		0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210
o-Xylene	U			1.0	1	02/22/12	02/22/12 20:20	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.990			100 %	86-115	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.430			111 %	76-114	02/22/12	02/22/12 20:20	CLP trace/R3QA210
Surrogate: Toluene-d8	3.790			95 %	88-110	02/22/12	02/22/12 20:20	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB18**Lab ID:** 1202005-39**Sample Matrix:** Water**Date Collected:** 02/15/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 19:32	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 19:32	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 19:32	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 19:32	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 19:32	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Acenaphthylene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Acetophenone	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Anthracene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Atrazine	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Benzaldehyde	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Benzo(a)anthracene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Benzo(a)pyrene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
1,1-Biphenyl	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Bis(2-ethylhexyl)phthalate	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Carbazole	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Caprolactam	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
4-Chloroaniline	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2-Chloronaphthalene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2-Chlorophenol	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Chrysene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Dibenzofuran	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB18**Lab ID:** 1202005-39**Sample Matrix:** Water**Date Collected:** 02/15/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Dimethyl phthalate	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2,4-Dinitrophenol	U		60.0	1	02/17/12	02/23/12 05:23	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.406</b>	B, J	5.00	1	02/17/12	02/23/12 05:23	R3QA201
4,6-Dinitro-2-methylphenol	U		60.0	1	02/17/12	02/23/12 05:23	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Fluoranthene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Fluorene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Hexachlorobenzene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Hexachlorobutadiene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Hexachloroethane	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Isophorone	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2-Methoxyethanol	U		60.0	1	02/17/12	02/23/12 05:23	R3QA201
1-Methylnaphthalene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2-Methylnaphthalene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2-Methylphenol	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
4-Methylphenol	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Naphthalene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2-Nitroaniline	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
3-Nitroaniline	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
4-Nitroaniline	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Nitrobenzene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2-Nitrophenol	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
4-Nitrophenol	U		10.0	1	02/17/12	02/23/12 05:23	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Pentachlorophenol	U		60.0	1	02/17/12	02/23/12 05:23	R3QA201
Phenanthrene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Phenol	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
Pyrene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB18**Lab ID:** 1202005-39**Sample Matrix:** Water**Date Collected:** 02/15/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/17/12	02/23/12 05:23	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	79.2		79 %	21-110	02/17/12	02/23/12 05:23	R3QA201
Surrogate: Phenol-d5	87.6		88 %	10-110	02/17/12	02/23/12 05:23	R3QA201
Surrogate: Nitrobenzene-d5	40.3		81 %	35-114	02/17/12	02/23/12 05:23	R3QA201
Surrogate: 2-Fluorobiphenyl	40.3		81 %	43-116	02/17/12	02/23/12 05:23	R3QA201
Surrogate: 2,4,6-Tribromophenol	86.2		86 %	10-123	02/17/12	02/23/12 05:23	R3QA201
Surrogate: Terphenyl-d14	45.8		92 %	33-141	02/17/12	02/23/12 05:23	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.4	J	2.0	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Benzene	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Bromoform	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Bromodichloromethane	0.08	J	0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Chloroform	0.1	J	0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB18**Lab ID:** 1202005-39**Sample Matrix:** Water**Date Collected:** 02/15/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			2.0	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Freon 113	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Styrene	U			1.0	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Toluene	0.1	J		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB18**Lab ID:** 1202005-39**Sample Matrix:** Water**Date Collected:** 02/15/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/22/12	02/22/12 20:48	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.850		96 %	86-115	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.240		106 %	76-114	02/22/12	02/22/12 20:48	CLP trace/R3QA210
Surrogate: Toluene-d8	3.910		98 %	88-110	02/22/12	02/22/12 20:48	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW07**Lab ID:** 1202005-40**Sample Matrix:** Drinking Water**Date Collected:** 02/15/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/16/12	02/16/12 19:45	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/16/12	02/16/12 19:45	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/16/12	02/16/12 19:45	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/16/12	02/16/12 19:45	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/16/12	02/16/12 19:45	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Acenaphthylene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Acetophenone	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Anthracene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Atrazine	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Benzaldehyde	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Benzo(a)anthracene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Benzo(a)pyrene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
1,1-Biphenyl	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.261</b>	<b>B, J</b>	<b>4.76</b>	<b>1</b>	<b>02/17/12</b>	<b>02/23/12 06:13</b>	<b>R3QA201</b>
4-Bromophenyl phenyl ether	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Carbazole	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Caprolactam	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
4-Chloroaniline	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2-Chloronaphthalene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2-Chlorophenol	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Chrysene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Dibenzofuran	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW07**Lab ID:** 1202005-40**Sample Matrix:** Drinking Water**Date Collected:** 02/15/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2,4-Dichlorophenol	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2,4-Dimethylphenol	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Dimethyl phthalate	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2,4-Dinitrophenol	U		57.1	1	02/17/12	02/23/12 06:13	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.289</b>	B, J	4.76	1	02/17/12	02/23/12 06:13	R3QA201
4,6-Dinitro-2-methylphenol	U		57.1	1	02/17/12	02/23/12 06:13	R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Di-n-octyl phthalate	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Fluoranthene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Fluorene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Hexachlorobenzene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Hexachlorobutadiene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Hexachloroethane	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Isophorone	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2-Methoxyethanol	U		57.1	1	02/17/12	02/23/12 06:13	R3QA201
1-Methylnaphthalene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2-Methylnaphthalene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2-Methylphenol	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
4-Methylphenol	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Naphthalene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2-Nitroaniline	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
3-Nitroaniline	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
4-Nitroaniline	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Nitrobenzene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2-Nitrophenol	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
4-Nitrophenol	U		9.52	1	02/17/12	02/23/12 06:13	R3QA201
N-Nitrosodimethylamine	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Pentachlorophenol	U		57.1	1	02/17/12	02/23/12 06:13	R3QA201
Phenanthrene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Phenol	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
Pyrene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201
2,4,5-Trichlorophenol	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201

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Region 3 Environmental Science Center  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW07**Lab ID:** 1202005-40**Sample Matrix:** Drinking Water**Date Collected:** 02/15/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/17/12	02/23/12 06:13	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	55.5		58 %	21-110	02/17/12	02/23/12 06:13	R3QA201
Surrogate: Phenol-d5	62.1		65 %	10-110	02/17/12	02/23/12 06:13	R3QA201
Surrogate: Nitrobenzene-d5	30.1		63 %	35-114	02/17/12	02/23/12 06:13	R3QA201
Surrogate: 2-Fluorobiphenyl	30.8		65 %	43-116	02/17/12	02/23/12 06:13	R3QA201
Surrogate: 2,4,6-Tribromophenol	53.0		56 %	10-123	02/17/12	02/23/12 06:13	R3QA201
Surrogate: Terphenyl-d14	34.7		73 %	33-141	02/17/12	02/23/12 06:13	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.0	B, J	2.0	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Benzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Bromoform	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Chloroform	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW07**Lab ID:** 1202005-40**Sample Matrix:** Drinking Water**Date Collected:** 02/15/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Freon 113	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Styrene	U		1.0	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Toluene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW07**Lab ID:** 1202005-40**Sample Matrix:** Drinking Water**Date Collected:** 02/15/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/23/12	02/23/12 11:39	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.740		94 %	86-115	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.400		110 %	76-114	02/23/12	02/23/12 11:39	CLP trace/R3QA210
Surrogate: Toluene-d8	3.690		92 %	88-110	02/23/12	02/23/12 11:39	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB48**Lab ID:** 1202005-42**Sample Matrix:** Water**Date Collected:** 02/15/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.7	J		2.0	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Benzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Bromoform	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.1</b>	<b>J</b>		0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB48**Lab ID:** 1202005-42**Sample Matrix:** Water**Date Collected:** 02/15/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Styrene	U			1.0	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
<b>Toluene</b>	<b>0.2</b>	J		0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210
<b>o-Xylene</b>	<b>0.07</b>	J		1.0	1	02/23/12	02/23/12 12:08	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.920			98 %	86-115	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.410			110 %	76-114	02/23/12	02/23/12 12:08	CLP trace/R3QA210
Surrogate: Toluene-d8	3.780			94 %	88-110	02/23/12	02/23/12 12:08	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**Tentatively Identified Compound (TIC) Report**  
**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-05

Station ID: TB41

Sample Matrix: Water

Collected: 02/13/2012

75-28-5 Isobutane 2.0 T 1.19 02/21/12 17:57 CLP trace/R3QA210

**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-06

Station ID: TB40

Sample Matrix: Water

Collected: 02/13/2012

75-28-5 Isobutane 1.2 T 1.19 02/21/12 18:26 CLP trace/R3QA210



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-07  
**Station ID:** HW27z  
**Sample Matrix:** Drinking Water  
**Collected:** 02/13/2012

None Detected 0.00 02/21/12 21:14 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-07  
**Station ID:** HW27z  
**Sample Matrix:** Drinking Water  
**Collected:** 02/13/2012

None Detected 0.0 02/22/12 14:03 CLP trace/R3QA210

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-08  
**Station ID:** HW27  
**Sample Matrix:** Drinking Water  
**Collected:** 02/13/2012

None Detected 0.00 02/21/12 22:05 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-08  
**Station ID:** HW27  
**Sample Matrix:** Drinking Water  
**Collected:** 02/13/2012

None Detected 0.0 02/22/12 14:32 CLP trace/R3QA210



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701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-09

Station ID: FB16

Sample Matrix: Water

Collected: 02/13/2012

None Detected

0.00

02/21/12 22:56 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-09

Station ID: FB16

Sample Matrix: Water

Collected: 02/13/2012

75-28-5 Isobutane

9.1

T

1.19

02/21/12 18:54

CLP trace/R3QA210

NA unknown

0.4

T

1.28

02/21/12 18:54

CLP trace/R3QA210



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**Tentatively Identified Compound (TIC) Report**  
**Semivolatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-10  
**Station ID:** HW55  
**Sample Matrix:** Drinking Water  
**Collected:** 02/13/2012

None Detected 0.00 02/21/12 23:47 R3QA201

**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-10  
**Station ID:** HW55  
**Sample Matrix:** Drinking Water  
**Collected:** 02/13/2012

None Detected 0.0 02/22/12 15:01 CLP trace/R3QA210

**Semivolatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-11  
**Station ID:** HW59  
**Sample Matrix:** Drinking Water  
**Collected:** 02/14/2012

000541-02-6 Cyclopentasiloxane, decamethyl- 1.28 T 5.08 02/22/12 17:55 R3QA201

**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-11  
**Station ID:** HW59  
**Sample Matrix:** Drinking Water  
**Collected:** 02/14/2012

None Detected 0.0 02/22/12 15:30 CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-12

Station ID: HW11-P

Sample Matrix: Drinking Water

Collected: 02/13/2012

115-22-0	3-Hydroxy-3-methyl-2-butanone	4.37	T	2.42	02/22/12 18:46	R3QA201
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## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-12

Station ID: HW11-P

Sample Matrix: Drinking Water

Collected: 02/13/2012

None Detected	0.0	02/22/12 15:59	CLP trace/R3QA210
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## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-13

Station ID: HW11

Sample Matrix: Drinking Water

Collected: 02/13/2012

None Detected	0.00	02/22/12 19:37	R3QA201
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## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-13

Station ID: HW11

Sample Matrix: Drinking Water

Collected: 02/13/2012

None Detected	0.0	02/23/12 13:07	CLP trace/R3QA210
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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202005-14					
Station ID:	HW53					
Sample Matrix:	Drinking Water					
Collected:	02/13/2012					
NA	unknown	2.05	T	3.57	02/22/12 20:28	R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202005-14					
Station ID:	HW53					
Sample Matrix:	Drinking Water					
Collected:	02/13/2012					
None Detected		0.0			02/22/12 16:58	CLP trace/R3QA210

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202005-15					
Station ID:	HW53-P					
Sample Matrix:	Drinking Water					
Collected:	02/13/2012					
None Detected		0.00			02/22/12 21:19	R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1202005-15					
Station ID:	HW53-P					
Sample Matrix:	Drinking Water					
Collected:	02/13/2012					
None Detected		0.0			02/22/12 17:27	CLP trace/R3QA210



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**Tentatively Identified Compound (TIC) Report**  
**Semivolatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
<b>Lab ID:</b>	1202005-16					
<b>Station ID:</b>	FB17					
<b>Sample Matrix:</b>	Water					
<b>Collected:</b>	02/14/2012					
	None Detected	0.00		02/22/12 22:10	R3QA201	

**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
<b>Lab ID:</b>	1202005-16					
<b>Station ID:</b>	FB17					
<b>Sample Matrix:</b>	Water					
<b>Collected:</b>	02/14/2012					
75-28-5	Isobutane	6.4	T	1.19	02/21/12 19:22	CLP trace/R3QA210

**Semivolatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
<b>Lab ID:</b>	1202005-17					
<b>Station ID:</b>	HW57-P					
<b>Sample Matrix:</b>	Drinking Water					
<b>Collected:</b>	02/14/2012					
	None Detected	0.00		02/23/12 07:04	R3QA201	

**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
<b>Lab ID:</b>	1202005-17					
<b>Station ID:</b>	HW57-P					
<b>Sample Matrix:</b>	Drinking Water					
<b>Collected:</b>	02/14/2012					
	None Detected	0.0		02/23/12 13:37	CLP trace/R3QA210	



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## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-18  
Station ID: HW58  
Sample Matrix: Drinking Water  
Collected: 02/14/2012

None Detected 0.00 02/23/12 07:54 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-18  
Station ID: HW58  
Sample Matrix: Drinking Water  
Collected: 02/14/2012

None Detected 0.0 02/22/12 18:25 CLP trace/R3QA210

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-19  
Station ID: TB43  
Sample Matrix: Water  
Collected: 02/13/2012

75-28-5 Isobutane 4.3 T 1.19 02/21/12 19:50 CLP trace/R3QA210

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-20  
Station ID: TB42  
Sample Matrix: Water  
Collected: 02/13/2012

75-28-5 Isobutane 0.6 T 1.19 02/21/12 20:18 CLP trace/R3QA210



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### Tentatively Identified Compound (TIC) Report Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-21

Station ID: TB47

Sample Matrix: Water

Collected: 02/14/2012

75-28-5 Isobutane 3.8 T 1.19 02/21/12 20:47 CLP trace/R3QA210

### Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-22

Station ID: TB45

Sample Matrix: Water

Collected: 02/14/2012

75-28-5 Isobutane 4.2 T 1.19 02/21/12 21:15 CLP trace/R3QA210

### Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-23

Station ID: TB44

Sample Matrix: Water

Collected: 02/14/2012

75-28-5 Isobutane 4.3 T 1.19 02/21/12 21:43 CLP trace/R3QA210



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## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-33  
Station ID: HW57  
Sample Matrix: Drinking Water  
Collected: 02/14/2012

None Detected 0.00 02/23/12 08:44 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202005-33  
Station ID: HW57  
Sample Matrix: Drinking Water  
Collected: 02/14/2012

None Detected 0.0 02/22/12 18:54 CLP trace/R3QA210



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## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-34**Station ID:** HW03**Sample Matrix:** Drinking Water**Collected:** 02/14/2012

84-69-5	bis(2-methylpropyl) phthalate	2.13	T	9.11	02/23/12 03:42	R3QA201
10544-50-0	Cyclic octaatomic sulfur	47.3	T	9.95	02/23/12 03:42	R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-34**Station ID:** HW03**Sample Matrix:** Drinking Water**Collected:** 02/14/2012

7446-09-5	Sulfur dioxide	48.6	T	1.12	02/22/12 19:23	CLP trace/R3QA210
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## Tentatively Identified Compound (TIC) Report

### Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-36**Station ID:** HW03z**Sample Matrix:** Drinking Water**Collected:** 02/14/2012

84-69-5	bis(2-methylpropyl) phthalate	0.870	T	9.11	02/23/12 04:32	R3QA201
10544-50-0	Cyclic octaatomic sulfur	33.4	T	9.97	02/23/12 04:32	R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-36**Station ID:** HW03z**Sample Matrix:** Drinking Water**Collected:** 02/14/2012

7446-09-5	Sulfur dioxide	4.1	I, T	1.08	02/22/12 19:51	CLP trace/R3QA210
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## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1202005-37**Station ID:** TB46**Sample Matrix:** Water**Collected:** 02/14/2012

75-28-5	Isobutane	5.3	T	1.19	02/22/12 20:20	CLP trace/R3QA210
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### Tentatively Identified Compound (TIC) Report

#### Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
<b>Lab ID:</b>	1202005-39					
<b>Station ID:</b>	FB18					
<b>Sample Matrix:</b>	Water					
<b>Collected:</b>	02/15/2012					
	None Detected	0.00		02/23/12 05:23	R3QA201	

### Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
<b>Lab ID:</b>	1202005-39					
<b>Station ID:</b>	FB18					
<b>Sample Matrix:</b>	Water					
<b>Collected:</b>	02/15/2012					
75-28-5	Isobutane	4.6	T	1.19	02/22/12 20:48	CLP trace/R3QA210

### Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
<b>Lab ID:</b>	1202005-40					
<b>Station ID:</b>	HW07					
<b>Sample Matrix:</b>	Drinking Water					
<b>Collected:</b>	02/15/2012					
	None Detected	0.00		02/23/12 06:13	R3QA201	

### Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
<b>Lab ID:</b>	1202005-40					
<b>Station ID:</b>	HW07					
<b>Sample Matrix:</b>	Drinking Water					
<b>Collected:</b>	02/15/2012					
	None Detected	0.0		02/23/12 11:39	CLP trace/R3QA210	



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**Tentatively Identified Compound (TIC) Report**  
**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
<b>Lab ID:</b>	1202005-42					
<b>Station ID:</b>	TB48					
<b>Sample Matrix:</b>	Water					
<b>Collected:</b>	02/15/2012					
75-28-5	Isobutane	2.7		T 1.19	02/23/12 12:08	CLP trace/R3QA210



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**QC Data**  
**Alcohols**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21604 - Alcohols**

Blank (BB21604-BLK1)				Prepared: 02/16/12 11:18 Analyzed: 02/16/12 14:16			
1-Butanol	U	10.0	ug/mL				
2-Butanol	U	10.0	"				
Ethanol	U	10.0	"				
Methanol	U	10.0	"				
1-Propanol	U	10.0	"				

LCS (BB21604-BS1)				Prepared: 02/16/12 11:18 Analyzed: 02/16/12 14:30			
1-Butanol	94.2	10.0	ug/mL	100.00	94	70-130	
2-Butanol	90.8	10.0	"	100.00	91	70-130	
Ethanol	92.7	10.0	"	100.00	93	70-130	
Methanol	87.4	10.0	"	100.00	87	70-130	
1-Propanol	92.4	10.0	"	100.00	92	70-130	

Matrix Spike (BB21604-MS1)				Source: 1202005-07 Prepared: 02/16/12 11:18 Analyzed: 02/16/12 14:57			
1-Butanol	94.0	10.0	ug/mL	100.00	0.00	94	70-130
2-Butanol	90.5	10.0	"	100.00	0.00	91	70-130
Ethanol	92.9	10.0	"	100.00	0.00	93	70-130
Methanol	86.1	10.0	"	100.00	0.00	86	70-130
1-Propanol	92.1	10.0	"	100.00	0.00	92	70-130

Matrix Spike Dup (BB21604-MSD1)				Source: 1202005-07 Prepared: 02/16/12 11:18 Analyzed: 02/16/12 15:11			
1-Butanol	99.0	10.0	ug/mL	100.00	0.00	99	70-130
2-Butanol	95.2	10.0	"	100.00	0.00	95	70-130
Ethanol	95.6	10.0	"	100.00	0.00	96	70-130
Methanol	91.4	10.0	"	100.00	0.00	91	70-130
1-Propanol	96.4	10.0	"	100.00	0.00	96	70-130



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**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB21501 - EPA 3520C SVOC****Blank (BB21501-BLK1)**

Prepared: 02/15/12 08:01    Analyzed: 02/21/12 16:09

Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.061	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.057	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	1.15	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							



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**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21501 - EPA 3520C SVOC****Blank (BB21501-BLK1)**

Prepared: 02/15/12 08:01 Analyzed: 02/21/12 16:09

Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methoxyethanol	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
2-Hexene, 3,5,5-trimethyl-	3.57		"							T
<i>Surrogate: 2-Fluorophenol</i>	58.8		"	100.00		59	21-110			
<i>Surrogate: Phenol-d5</i>	68.0		"	100.00		68	10-110			
<i>Surrogate: Nitrobenzene-d5</i>	35.5		"	50.000		71	35-114			
<i>Surrogate: 2-Fluorobiphenyl</i>	35.1		"	50.000		70	43-116			
<i>Surrogate: 2,4,6-Tribromophenol</i>	58.9		"	100.00		59	10-123			
<i>Surrogate: Terphenyl-d14</i>	41.6		"	50.000		83	33-141			



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**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21501 - EPA 3520C SVOC**

LCS (BB21501-BS1)					Prepared: 02/15/12 08:01	Analyzed: 02/21/12 17:00	
Benzo(a)pyrene	2.95	5.00	ug/L	5.0000	59	30-150	J
Bis(2-chloroethyl)ether	4.32	5.00	"	5.0000	86	30-150	J
4-Chloroaniline	2.43	5.00	"	5.0000	49	30-150	J
4-Chloro-3-methylphenol	3.97	5.00	"	5.0000	79	26-103	J
2-Chlorophenol	3.96	5.00	"	5.0000	79	25-102	J
Diethyl phthalate	4.62	5.00	"	5.0000	92	30-150	J
2,4-Dinitrotoluene	4.02	5.00	"	5.0000	80	28-89	J
Hexachlorobenzene	4.08	5.00	"	5.0000	82	30-150	J
Hexachlorobutadiene	3.45	5.00	"	5.0000	69	30-150	J
Hexachloroethane	3.72	5.00	"	5.0000	74	30-150	J
Isophorone	4.25	5.00	"	5.0000	85	30-150	J
2-Methoxyethanol	U	5.00	"	23.160		30-150	A
1-Methylnaphthalene	4.67	5.00	"	5.0000	93	30-150	J
Naphthalene	4.69	5.00	"	5.0000	94	30-150	J
Nitrobenzene	4.50	5.00	"	5.0000	90	30-150	J
4-Nitrophenol	1.22	10.0	"	5.0000	24	11-114	J
N-Nitroso-di-n-propylamine	4.19	5.00	"	5.0000	84	41-126	J
N-Nitrosodiphenylamine	4.48	5.00	"	5.0000	90	30-150	J
Pentachlorophenol	0.356	5.00	"	5.0000	7	17-109	A, J
Phenol	4.10	5.00	"	5.0000	82	26-90	J
2,4,5-Trichlorophenol	3.47	5.00	"	5.0000	69	30-150	J
2,4,6-Trichlorophenol	3.48	5.00	"	5.0000	70	30-150	J
<i>Surrogate: 2-Fluorophenol</i>	71.3	"	100.00		71	21-110	
<i>Surrogate: Phenol-d5</i>	78.0	"	100.00		78	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	38.4	"	50.000		77	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	38.2	"	50.000		76	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	71.2	"	100.00		71	10-123	
<i>Surrogate: Terphenyl-d14</i>	39.4	"	50.000		79	33-141	



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**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21501 - EPA 3520C SVOC**

LCS (BB21501-BS2)					Prepared: 02/15/12 08:01	Analyzed: 02/21/12 17:51
Benzo(a)pyrene	47.2	5.00	ug/L	60.000	79	30-150
Bis(2-chloroethyl)ether	38.2	5.00	"	60.000	64	30-150
4-Chloroaniline	39.4	5.00	"	60.000	66	30-150
4-Chloro-3-methylphenol	46.5	5.00	"	60.000	77	26-103
2-Chlorophenol	38.7	5.00	"	60.000	64	25-102
Diethyl phthalate	47.6	5.00	"	60.000	79	30-150
2,4-Dinitrotoluene	50.3	5.00	"	60.000	84	28-89
Hexachlorobenzene	43.2	5.00	"	60.000	72	30-150
Hexachlorobutadiene	31.2	5.00	"	60.000	52	30-150
Hexachloroethane	26.3	5.00	"	60.000	44	30-150
Isophorone	42.0	5.00	"	60.000	70	30-150
2-Methoxyethanol	19.4	5.00	"	57.900	34	30-150
1-Methylnaphthalene	42.1	5.00	"	60.000	70	30-150
Naphthalene	38.4	5.00	"	60.000	64	30-150
Nitrobenzene	41.2	5.00	"	60.000	69	30-150
4-Nitrophenol	51.0	10.0	"	60.000	85	11-114
N-Nitroso-di-n-propylamine	41.5	5.00	"	60.000	69	41-126
N-Nitrosodiphenylamine	39.8	5.00	"	60.000	66	30-150
Pentachlorophenol	41.5	5.00	"	60.000	69	17-109
Phenol	40.9	5.00	"	60.000	68	26-90
2,4,5-Trichlorophenol	43.1	5.00	"	60.000	72	30-150
2,4,6-Trichlorophenol	42.2	5.00	"	60.000	70	30-150
<i>Surrogate: 2-Fluorophenol</i>	67.7		"	100.00	68	21-110
<i>Surrogate: Phenol-d5</i>	71.8		"	100.00	72	10-110
<i>Surrogate: Nitrobenzene-d5</i>	37.9		"	50.000	76	35-114
<i>Surrogate: 2-Fluorobiphenyl</i>	37.6		"	50.000	75	43-116
<i>Surrogate: 2,4,6-Tribromophenol</i>	77.6		"	100.00	78	10-123
<i>Surrogate: Terphenyl-d14</i>	40.9		"	50.000	82	33-141



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21501 - EPA 3520C SVOC**

Matrix Spike (BB21501-MS1)	Source: 1202005-10		Prepared: 02/15/12 08:01		Analyzed: 02/22/12 13:38		
Benzo(a)pyrene	29.3	5.00	ug/L	60.000	0.00	49	30-150
Bis(2-chloroethyl)ether	25.4	5.00	"	60.000	0.00	42	30-150
4-Chloroaniline	27.1	5.00	"	60.000	0.00	45	30-150
4-Chloro-3-methylphenol	32.2	5.00	"	60.000	0.00	54	26-103
2-Chlorophenol	26.6	5.00	"	60.000	0.00	44	25-102
Diethyl phthalate	32.4	5.00	"	60.000	0.019	54	30-150
2,4-Dinitrotoluene	34.0	5.00	"	60.000	0.00	57	28-89
Hexachlorobenzene	29.6	5.00	"	60.000	0.00	49	30-150
Hexachlorobutadiene	26.7	5.00	"	60.000	0.00	44	30-150
Hexachloroethane	22.6	5.00	"	60.000	0.00	38	30-150
Isophorone	28.2	5.00	"	60.000	0.00	47	30-150
2-Methoxyethanol	13.1	5.00	"	57.900	0.00	23	30-150
1-Methylnaphthalene	30.1	5.00	"	60.000	0.00	50	30-150
Naphthalene	27.6	5.00	"	60.000	0.00	46	30-150
Nitrobenzene	28.4	5.00	"	60.000	0.00	47	30-150
4-Nitrophenol	38.0	10.0	"	60.000	0.00	63	11-114
N-Nitroso-di-n-propylamine	27.7	5.00	"	60.000	0.00	46	41-126
N-Nitrosodiphenylamine	25.5	5.00	"	60.000	0.00	42	30-150
Pentachlorophenol	29.1	5.00	"	60.000	0.00	48	17-109
Phenol	27.9	5.00	"	60.000	0.00	46	26-90
2,4,5-Trichlorophenol	29.2	5.00	"	60.000	0.00	49	30-150
2,4,6-Trichlorophenol	28.9	5.00	"	60.000	0.00	48	30-150
<i>Surrogate: 2-Fluorophenol</i>	46.6		"	100.00		47	21-110
<i>Surrogate: Phenol-d5</i>	49.5		"	100.00		50	10-110
<i>Surrogate: Nitrobenzene-d5</i>	25.6		"	50.000		51	35-114
<i>Surrogate: 2-Fluorobiphenyl</i>	25.8		"	50.000		52	43-116
<i>Surrogate: 2,4,6-Tribromophenol</i>	53.4		"	100.00		53	10-123
<i>Surrogate: Terphenyl-d14</i>	25.5		"	50.000		51	33-141



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21501 - EPA 3520C SVOC**

Matrix Spike Dup (BB21501-MSD1)	Source: 1202005-10		Prepared: 02/15/12 08:01		Analyzed: 02/22/12 01:28					
Benzo(a)pyrene	44.2	5.00	ug/L	60.000	0.00	74	30-150	41	25	A
Bis(2-chloroethyl)ether	36.5	5.00	"	60.000	0.00	61	30-150	36	25	A
4-Chloroaniline	37.9	5.00	"	60.000	0.00	63	30-150	33	25	A
4-Chloro-3-methylphenol	45.7	5.00	"	60.000	0.00	76	26-103	35	33	A
2-Chlorophenol	38.1	5.00	"	60.000	0.00	64	25-102	36	50	
Diethyl phthalate	47.7	5.00	"	60.000	0.019	79	30-150	38	25	A
2,4-Dinitrotoluene	49.4	5.00	"	60.000	0.00	82	28-89	37	47	
Hexachlorobenzene	42.6	5.00	"	60.000	0.00	71	30-150	36	25	A
Hexachlorobutadiene	39.6	5.00	"	60.000	0.00	66	30-150	39	200	
Hexachloroethane	33.6	5.00	"	60.000	0.00	56	30-150	39	25	A
Isophorone	40.3	5.00	"	60.000	0.00	67	30-150	35	25	A
2-Methoxyethanol	19.2	5.00	"	57.900	0.00	33	30-150	38	25	A
1-Methylnaphthalene	43.8	5.00	"	60.000	0.00	73	30-150	37	25	A
Naphthalene	40.6	5.00	"	60.000	0.00	68	30-150	38	25	A
Nitrobenzene	40.8	5.00	"	60.000	0.00	68	30-150	36	200	
4-Nitrophenol	53.1	10.0	"	60.000	0.00	89	11-114	33	50	
N-Nitroso-di-n-propylamine	39.6	5.00	"	60.000	0.00	66	41-126	35	38	
N-Nitrosodiphenylamine	37.8	5.00	"	60.000	0.00	63	30-150	39	25	A
Pentachlorophenol	41.8	5.00	"	60.000	0.00	70	17-109	36	47	
Phenol	40.6	5.00	"	60.000	0.00	68	26-90	37	35	A
2,4,5-Trichlorophenol	42.3	5.00	"	60.000	0.00	71	30-150	37	200	
2,4,6-Trichlorophenol	42.0	5.00	"	60.000	0.00	70	30-150	37	200	
<i>Surrogate: 2-Fluorophenol</i>	67.3		"	100.00		67	21-110			
<i>Surrogate: Phenol-d5</i>	71.7		"	100.00		72	10-110			
<i>Surrogate: Nitrobenzene-d5</i>	35.9		"	50.000		72	35-114			
<i>Surrogate: 2-Fluorobiphenyl</i>	37.5		"	50.000		75	43-116			
<i>Surrogate: 2,4,6-Tribromophenol</i>	77.1		"	100.00		77	10-123			
<i>Surrogate: Terphenyl-d14</i>	37.2		"	50.000		74	33-141			



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21601 - EPA 3520C SVOC****Blank (BB21601-BLK1)**

Prepared: 02/16/12 08:20    Analyzed: 02/22/12 14:29

Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	U	5.00	"							
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.018	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	0.480	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							



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Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21601 - EPA 3520C SVOC**

Blank (BB21601-BLK1)					Prepared: 02/16/12 08:20	Analyzed: 02/22/12 14:29				
Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
2-Hexene, 3,5,5-trimethyl-	3.48	"								T
<i>Surrogate: 2-Fluorophenol</i>	57.4	"	100.00		57	21-110				
<i>Surrogate: Phenol-d5</i>	63.6	"	100.00		64	10-110				
<i>Surrogate: Nitrobenzene-d5</i>	29.1	"	50.000		58	35-114				
<i>Surrogate: 2-Fluorobiphenyl</i>	29.5	"	50.000		59	43-116				
<i>Surrogate: 2,4,6-Tribromophenol</i>	56.7	"	100.00		57	10-123				
<i>Surrogate: Terphenyl-d14</i>	30.7	"	50.000		61	33-141				



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21601 - EPA 3520C SVOC**

LCS (BB21601-BS1)					Prepared: 02/16/12 08:20	Analyzed: 02/22/12 15:21				
Benzo(a)pyrene	3.22	5.00	ug/L	5.0000	64	30-150				J
Bis(2-chloroethyl)ether	3.88	5.00	"	5.0000	78	30-150				J
4-Chloroaniline	0.266	5.00	"	5.0000	5	30-150				A, J
4-Chloro-3-methylphenol	3.76	5.00	"	5.0000	75	26-103				J
2-Chlorophenol	3.84	5.00	"	5.0000	77	25-102				J
Diethyl phthalate	4.30	5.00	"	5.0000	86	30-150				J
2,4-Dinitrotoluene	3.93	5.00	"	5.0000	79	28-89				J
Hexachlorobenzene	4.09	5.00	"	5.0000	82	30-150				J
Hexachlorobutadiene	3.64	5.00	"	5.0000	73	30-150				J
Hexachloroethane	3.40	5.00	"	5.0000	68	30-150				J
Isophorone	3.89	5.00	"	5.0000	78	30-150				J
2-Methoxyethanol	U	5.00	"	23.160		30-150				A
1-Methylnaphthalene	4.50	5.00	"	5.0000	90	30-150				J
Naphthalene	4.44	5.00	"	5.0000	89	30-150				J
Nitrobenzene	4.08	5.00	"	5.0000	82	30-150				J
4-Nitrophenol	1.64	10.0	"	5.0000	33	11-114				J
N-Nitroso-di-n-propylamine	3.55	5.00	"	5.0000	71	41-126				J
N-Nitrosodiphenylamine	3.08	5.00	"	5.0000	62	30-150				J
Pentachlorophenol	1.77	5.00	"	5.0000	35	17-109				J
Phenol	3.77	5.00	"	5.0000	75	26-90				J
2,4,5-Trichlorophenol	3.47	5.00	"	5.0000	69	30-150				J
2,4,6-Trichlorophenol	3.47	5.00	"	5.0000	69	30-150				J
Surrogate: 2-Fluorophenol	66.6	"		100.00	67	21-110				
Surrogate: Phenol-d5	64.8	"		100.00	65	10-110				
Surrogate: Nitrobenzene-d5	33.0	"		50.000	66	35-114				
Surrogate: 2-Fluorobiphenyl	32.9	"		50.000	66	43-116				
Surrogate: 2,4,6-Tribromophenol	71.3	"		100.00	71	10-123				
Surrogate: Terphenyl-d14	33.8	"		50.000	68	33-141				



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21601 - EPA 3520C SVOC**

LCS (BB21601-BS2)		Prepared: 02/16/12 08:20			Analyzed: 02/22/12 16:12		
Benzo(a)pyrene	42.0	5.00	ug/L	60.000	70	30-150	
Bis(2-chloroethyl)ether	34.7	5.00	"	60.000	58	30-150	
4-Chloroaniline	0.432	5.00	"	60.000	0.7	30-150	
4-Chloro-3-methylphenol	44.1	5.00	"	60.000	73	26-103	A, J
2-Chlorophenol	36.3	5.00	"	60.000	61	25-102	
Diethyl phthalate	42.1	5.00	"	60.000	70	30-150	
2,4-Dinitrotoluene	44.2	5.00	"	60.000	74	28-89	
Hexachlorobenzene	40.0	5.00	"	60.000	67	30-150	
Hexachlorobutadiene	32.4	5.00	"	60.000	54	30-150	
Hexachloroethane	26.4	5.00	"	60.000	44	30-150	
Isophorone	39.1	5.00	"	60.000	65	30-150	
2-Methoxyethanol	U	5.00	"	57.960		30-150	A
1-Methylnaphthalene	41.2	5.00	"	60.000	69	30-150	
Naphthalene	36.3	5.00	"	60.000	60	30-150	
Nitrobenzene	38.2	5.00	"	60.000	64	30-150	
4-Nitrophenol	47.8	10.0	"	60.000	80	11-114	
N-Nitroso-di-n-propylamine	37.8	5.00	"	60.000	63	41-126	
N-Nitrosodiphenylamine	31.8	5.00	"	60.000	53	30-150	
Pentachlorophenol	41.9	5.00	"	60.000	70	17-109	
Phenol	37.9	5.00	"	60.000	63	26-90	
2,4,5-Trichlorophenol	38.8	5.00	"	60.000	65	30-150	
2,4,6-Trichlorophenol	38.1	5.00	"	60.000	63	30-150	
<i>Surrogate: 2-Fluorophenol</i>	64.6		"	100.00	65	21-110	
<i>Surrogate: Phenol-d5</i>	65.0		"	100.00	65	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	32.1		"	50.000	64	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	32.0		"	50.000	64	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	73.6		"	100.00	74	10-123	
<i>Surrogate: Terphenyl-d14</i>	33.4		"	50.000	67	33-141	



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21601 - EPA 3520C SVOC**

Matrix Spike (BB21601-MS1)	Source: 1202005-33		Prepared: 02/16/12 08:20		Analyzed: 02/23/12 09:35		
Benzo(a)pyrene	39.4	5.00	ug/L	60.000	0.00	66	30-150
Bis(2-chloroethyl)ether	32.6	5.00	"	60.000	0.00	54	30-150
4-Chloroaniline	31.5	5.00	"	60.000	0.00	52	30-150
4-Chloro-3-methylphenol	40.2	5.00	"	60.000	0.00	67	26-103
2-Chlorophenol	33.2	5.00	"	60.000	0.00	55	25-102
Diethyl phthalate	42.0	5.00	"	60.000	0.012	70	30-150
2,4-Dinitrotoluene	44.5	5.00	"	60.000	0.00	74	28-89
Hexachlorobenzene	37.8	5.00	"	60.000	0.00	63	30-150
Hexachlorobutadiene	31.2	5.00	"	60.000	0.00	52	30-150
Hexachloroethane	27.9	5.00	"	60.000	0.00	47	30-150
Isophorone	35.9	5.00	"	60.000	0.00	60	30-150
2-Methoxyethanol	23.3	5.00	"	57.960	0.00	40	30-150
1-Methylnaphthalene	37.1	5.00	"	60.000	0.00	62	30-150
Naphthalene	33.6	5.00	"	60.000	0.00	56	30-150
Nitrobenzene	35.3	5.00	"	60.000	0.00	59	30-150
4-Nitrophenol	50.3	10.0	"	60.000	0.00	84	11-114
N-Nitroso-di-n-propylamine	34.8	5.00	"	60.000	0.00	58	41-126
N-Nitrosodiphenylamine	26.7	5.00	"	60.000	0.00	45	30-150
Pentachlorophenol	37.8	5.00	"	60.000	0.00	63	17-109
Phenol	35.0	5.00	"	60.000	0.00	58	26-90
2,4,5-Trichlorophenol	37.3	5.00	"	60.000	0.00	62	30-150
2,4,6-Trichlorophenol	36.0	5.00	"	60.000	0.00	60	30-150
<i>Surrogate: 2-Fluorophenol</i>	58.5		"	100.00		59	21-110
<i>Surrogate: Phenol-d5</i>	61.2		"	100.00		61	10-110
<i>Surrogate: Nitrobenzene-d5</i>	29.2		"	50.000		58	35-114
<i>Surrogate: 2-Fluorobiphenyl</i>	30.1		"	50.000		60	43-116
<i>Surrogate: 2,4,6-Tribromophenol</i>	65.2		"	100.00		65	10-123
<i>Surrogate: Terphenyl-d14</i>	31.7		"	50.000		63	33-141



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB21601 - EPA 3520C SVOC**

Matrix Spike Dup (BB21601-MSD1)	Source: 1202005-33		Prepared: 02/16/12 08:20		Analyzed: 02/23/12 10:26				
Benzo(a)pyrene	37.0	5.00	ug/L	60.000	0.00	62	30-150	6	25
Bis(2-chloroethyl)ether	34.4	5.00	"	60.000	0.00	57	30-150	5	25
4-Chloroaniline	31.6	5.00	"	60.000	0.00	53	30-150	0.3	25
4-Chloro-3-methylphenol	39.8	5.00	"	60.000	0.00	66	26-103	0.9	33
2-Chlorophenol	34.5	5.00	"	60.000	0.00	57	25-102	4	50
Diethyl phthalate	40.1	5.00	"	60.000	0.012	67	30-150	5	25
2,4-Dinitrotoluene	43.1	5.00	"	60.000	0.00	72	28-89	3	47
Hexachlorobenzene	37.2	5.00	"	60.000	0.00	62	30-150	2	25
Hexachlorobutadiene	32.4	5.00	"	60.000	0.00	54	30-150	4	200
Hexachloroethane	29.5	5.00	"	60.000	0.00	49	30-150	6	25
Isophorone	36.8	5.00	"	60.000	0.00	61	30-150	2	25
2-Methoxyethanol	19.8	5.00	"	57.960	0.00	34	30-150	16	25
1-Methylnaphthalene	38.3	5.00	"	60.000	0.00	64	30-150	3	25
Naphthalene	33.9	5.00	"	60.000	0.00	56	30-150	0.7	25
Nitrobenzene	36.2	5.00	"	60.000	0.00	60	30-150	3	200
4-Nitrophenol	47.3	10.0	"	60.000	0.00	79	11-114	6	50
N-Nitroso-di-n-propylamine	36.7	5.00	"	60.000	0.00	61	41-126	5	38
N-Nitrosodiphenylamine	22.2	5.00	"	60.000	0.00	37	30-150	19	25
Pentachlorophenol	37.8	5.00	"	60.000	0.00	63	17-109	0.05	47
Phenol	36.6	5.00	"	60.000	0.00	61	26-90	4	35
2,4,5-Trichlorophenol	37.1	5.00	"	60.000	0.00	62	30-150	0.5	200
2,4,6-Trichlorophenol	36.6	5.00	"	60.000	0.00	61	30-150	2	200
Surrogate: 2-Fluorophenol	59.9	"		100.00		60	21-110		
Surrogate: Phenol-d5	64.1	"		100.00		64	10-110		
Surrogate: Nitrobenzene-d5	30.1	"		50.000		60	35-114		
Surrogate: 2-Fluorobiphenyl	30.4	"		50.000		61	43-116		
Surrogate: 2,4,6-Tribromophenol	63.5	"		100.00		63	10-123		
Surrogate: Terphenyl-d14	31.6	"		50.000		63	33-141		



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB21701 - EPA 3520C SVOC****Blank (BB21701-BLK1)**

Prepared: 02/17/12 08:31 Analyzed: 02/23/12 01:09

Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.121	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	0.028	5.00	"							J
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.017	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	0.560	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							



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701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21701 - EPA 3520C SVOC****Blank (BB21701-BLK1)**

Prepared: 02/17/12 08:31 Analyzed: 02/23/12 01:09

Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
2-Hexene, 3,5,5-trimethyl-	4.56		"							T
<i>Surrogate: 2-Fluorophenol</i>	73.1		"	100.00	73	21-110				
<i>Surrogate: Phenol-d5</i>	82.2		"	100.00	82	10-110				
<i>Surrogate: Nitrobenzene-d5</i>	39.2		"	50.000	78	35-114				
<i>Surrogate: 2-Fluorobiphenyl</i>	38.8		"	50.000	78	43-116				
<i>Surrogate: 2,4,6-Tribromophenol</i>	77.4		"	100.00	77	10-123				
<i>Surrogate: Terphenyl-d14</i>	42.2		"	50.000	84	33-141				



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21701 - EPA 3520C SVOC****LCS (BB21701-BS1)**

Benzo(a)pyrene	3.99	5.00	ug/L	5.0000	80	30-150				J
Bis(2-chloroethyl)ether	4.68	5.00	"	5.0000	94	30-150				J
4-Chloroaniline	4.08	5.00	"	5.0000	82	30-150				J
4-Chloro-3-methylphenol	4.46	5.00	"	5.0000	89	26-103				J
2-Chlorophenol	4.50	5.00	"	5.0000	90	25-102				J
Diethyl phthalate	5.24	5.00	"	5.0000	105	30-150				
2,4-Dinitrotoluene	4.66	5.00	"	5.0000	93	28-89				A, J
Hexachlorobenzene	5.04	5.00	"	5.0000	101	30-150				
Hexachlorobutadiene	4.44	5.00	"	5.0000	89	30-150				J
Hexachloroethane	4.40	5.00	"	5.0000	88	30-150				J
Isophorone	4.74	5.00	"	5.0000	95	30-150				J
2-Methoxyethanol	U	5.00	"	23.160		30-150				A
1-Methylnaphthalene	5.58	5.00	"	5.0000	112	30-150				
Naphthalene	5.28	5.00	"	5.0000	106	30-150				
Nitrobenzene	4.99	5.00	"	5.0000	100	30-150				J
4-Nitrophenol	2.13	10.0	"	5.0000	43	11-114				J
N-Nitroso-di-n-propylamine	4.60	5.00	"	5.0000	92	41-126				J
N-Nitrosodiphenylamine	5.29	5.00	"	5.0000	106	30-150				
Pentachlorophenol	0.458	5.00	"	5.0000	9	17-109				A, J
Phenol	4.61	5.00	"	5.0000	92	26-90				A, J
2,4,5-Trichlorophenol	4.34	5.00	"	5.0000	87	30-150				J
2,4,6-Trichlorophenol	4.20	5.00	"	5.0000	84	30-150				J
<i>Surrogate: 2-Fluorophenol</i>	81.6	"		100.00	82	21-110				
<i>Surrogate: Phenol-d5</i>	89.1	"		100.00	89	10-110				
<i>Surrogate: Nitrobenzene-d5</i>	40.6	"		50.000	81	35-114				
<i>Surrogate: 2-Fluorobiphenyl</i>	41.1	"		50.000	82	43-116				
<i>Surrogate: 2,4,6-Tribromophenol</i>	90.6	"		100.00	91	10-123				
<i>Surrogate: Terphenyl-d14</i>	42.9	"		50.000	86	33-141				



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21701 - EPA 3520C SVOC**

LCS (BB21701-BS2)					Prepared: 02/17/12 08:31	Analyzed: 02/23/12 02:51	
Benzo(a)pyrene	53.4	5.00	ug/L	60.000	89	30-150	
Bis(2-chloroethyl)ether	41.8	5.00	"	60.000	70	30-150	
4-Chloroaniline	44.0	5.00	"	60.000	73	30-150	
4-Chloro-3-methylphenol	53.7	5.00	"	60.000	90	26-103	
2-Chlorophenol	42.9	5.00	"	60.000	72	25-102	
Diethyl phthalate	54.8	5.00	"	60.000	91	30-150	
2,4-Dinitrotoluene	57.4	5.00	"	60.000	96	28-89	A
Hexachlorobenzene	48.9	5.00	"	60.000	82	30-150	
Hexachlorobutadiene	42.7	5.00	"	60.000	71	30-150	
Hexachloroethane	38.3	5.00	"	60.000	64	30-150	
Isophorone	47.6	5.00	"	60.000	79	30-150	
2-Methoxyethanol	17.3	5.00	"	57.900	30	30-150	
1-Methylnaphthalene	49.6	5.00	"	60.000	83	30-150	
Naphthalene	45.3	5.00	"	60.000	75	30-150	
Nitrobenzene	47.0	5.00	"	60.000	78	30-150	
4-Nitrophenol	62.2	10.0	"	60.000	104	11-114	
N-Nitroso-di-n-propylamine	45.6	5.00	"	60.000	76	41-126	
N-Nitrosodiphenylamine	44.7	5.00	"	60.000	75	30-150	
Pentachlorophenol	49.6	5.00	"	60.000	83	17-109	
Phenol	44.5	5.00	"	60.000	74	26-90	
2,4,5-Trichlorophenol	49.0	5.00	"	60.000	82	30-150	
2,4,6-Trichlorophenol	48.2	5.00	"	60.000	80	30-150	
<i>Surrogate: 2-Fluorophenol</i>	73.6	"	100.00		74	21-110	
<i>Surrogate: Phenol-d5</i>	78.7	"	100.00		79	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	39.3	"	50.000		79	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	40.9	"	50.000		82	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	88.7	"	100.00		89	10-123	
<i>Surrogate: Terphenyl-d14</i>	43.4	"	50.000		87	33-141	



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap****Blank (BB22804-BLK1)**

Prepared &amp; Analyzed: 02/21/12 17:29

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	2.0	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap****Blank (BB22804-BLK1)**

Prepared &amp; Analyzed: 02/21/12 17:29

Hexachlorobutadiene	U	0.5	ug/L							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	4.240	"	4.0000		106	86-115				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.010	"	4.0000		100	76-114				
<i>Surrogate: Toluene-d8</i>	3.960	"	4.0000		99	88-110				



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap****Blank (BB22804-BLK2)**

Prepared &amp; Analyzed: 02/22/12 11:22

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	2.0	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap****Blank (BB22804-BLK2)**

Prepared &amp; Analyzed: 02/22/12 11:22

Hexachlorobutadiene	U	0.5	ug/L							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	3.710	"	4.0000		93	86-115				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.300	"	4.0000		108	76-114				
<i>Surrogate: Toluene-d8</i>	3.780	"	4.0000		94	88-110				



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap****Blank (BB22804-BLK3)**

Prepared &amp; Analyzed: 02/23/12 11:10

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	2.0	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap****Blank (BB22804-BLK3)**

Prepared &amp; Analyzed: 02/23/12 11:10

Hexachlorobutadiene	U	0.5	ug/L							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	3.910	"	4.0000		98	86-115				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.510	"	4.0000		113	76-114				
<i>Surrogate: Toluene-d8</i>	3.800	"	4.0000		95	88-110				



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap****LCS (BB22804-BS1)**

Prepared &amp; Analyzed: 02/21/12 16:31

Acetone	0.39	2.0	ug/L			80-120				J
Benzene	4.69	0.5	"	5.0000	94	80-120				
Bromobenzene	4.70	0.5	"	5.0000	94	80-120				
Bromoform	4.59	0.5	"	5.0000	92	80-120				
Bromochloromethane	4.77	0.5	"	5.0000	95	80-120				
Bromodichloromethane	4.49	0.5	"	5.0000	90	80-120				
Bromomethane	5.67	0.5	"	5.0000	113	80-120				
2-Butanone	U	2.0	"			80-120				
sec-Butylbenzene	4.79	0.5	"	5.0000	96	80-120				
tert-Butylbenzene	4.80	0.5	"	5.0000	96	80-120				
n-Butylbenzene	4.94	0.5	"	5.0000	99	80-120				
Carbon disulfide	U	0.5	"			80-120				
Carbon Tetrachloride	4.73	0.5	"	5.0000	95	80-120				
Chlorobenzene	4.43	0.5	"	5.0000	89	80-120				
Chlorodibromomethane	4.78	0.5	"	5.0000	96	80-120				
Chloroethane	4.53	0.5	"	5.0000	91	80-120				
Chloroform	4.56	0.5	"	5.0000	91	80-120				
Chloromethane	6.17	0.5	"	5.0000	123	80-120				A
2-Chlorotoluene	4.52	0.5	"	5.0000	90	80-120				
4-Chlorotoluene	4.79	0.5	"	5.0000	96	80-120				
Cyclohexane	U	0.5	"			80-120				
1,2-Dibromo-3-chloropropane	4.43	2.0	"	5.0000	89	80-120				
1,2-Dibromoethane (EDB)	4.76	0.5	"	5.0000	95	80-120				
Dibromomethane	4.70	0.5	"	5.0000	94	80-120				
1,2-Dichlorobenzene	4.76	0.5	"	5.0000	95	80-120				
1,3-Dichlorobenzene	4.63	0.5	"	5.0000	93	80-120				
1,4-Dichlorobenzene	4.70	0.5	"	5.0000	94	80-120				
Dichlorodifluoromethane	7.33	0.5	"	5.0000	147	80-120				A
1,1-Dichloroethane	4.67	0.5	"	5.0000	93	80-120				
1,2-Dichloroethane	4.63	0.5	"	5.0000	93	80-120				
1,1-Dichloroethene	5.38	0.5	"	5.0000	108	80-120				
cis-1,2-Dichloroethene	4.48	0.5	"	5.0000	90	80-120				
trans-1,2-Dichloroethene	4.53	0.5	"	5.0000	91	80-120				
1,2-Dichloropropane	4.61	0.5	"	5.0000	92	80-120				
1,3-Dichloropropane	4.30	0.5	"	5.0000	86	80-120				
2,2-Dichloropropane	4.38	0.5	"	5.0000	88	80-120				
1,1-Dichloropropene	4.51	0.5	"	5.0000	90	80-120				
cis-1,3-Dichloropropene	4.63	0.5	"	5.0000	93	80-120				
trans-1,3-Dichloropropene	4.97	0.5	"	5.0000	99	80-120				
Ethylbenzene	4.63	0.5	"	5.0000	93	80-120				
Freon 113	U	0.5	"			80-120				

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap****LCS (BB22804-BS1)**

Prepared &amp; Analyzed: 02/21/12 16:31

Hexachlorobutadiene	4.67	0.5	ug/L	5.0000		93	80-120			
2-Hexanone	U	2.0	"				80-120			
Isopropylbenzene	5.15	0.5	"	5.0000		103	80-120			
p-Isopropyltoluene	5.23	0.5	"	5.0000		105	80-120			
Methyl Acetate	U	0.5	"				80-120			
Methylcyclohexane	U	0.5	"				80-120			
Methyl-tert-butyl ether	U	0.5	"				80-120			
Methylene Chloride	4.70	0.5	"	5.0000		94	80-120			
4-Methyl-2-pentanone	U	2.0	"				80-120			
Naphthalene	5.20	0.5	"	5.0000		104	80-120			
n-Propylbenzene	4.80	0.5	"	5.0000		96	80-120			
1,1,2,2-Tetrachloroethane	4.81	0.5	"	5.0000		96	80-120			
1,1,1,2-Tetrachloroethane	4.71	0.5	"	5.0000		94	80-120			
Tetrachloroethene	4.35	0.5	"	5.0000		87	80-120			
Toluene	4.46	0.5	"	5.0000		89	80-120			
1,2,3-Trichlorobenzene	4.93	0.5	"	5.0000		99	80-120			
1,2,4-Trichlorobenzene	5.03	0.5	"	5.0000		101	80-120			
1,1,1-Trichloroethane	4.60	0.5	"	5.0000		92	80-120			
1,1,2-Trichloroethane	4.63	0.5	"	5.0000		93	80-120			
Trichloroethene	4.59	0.5	"	5.0000		92	80-120			
Trichlorofluoromethane	5.23	0.5	"	5.0000		105	80-120			
1,2,3-Trichloropropane	4.88	0.5	"	5.0000		98	80-120			
1,2,4-Trimethylbenzene	4.73	0.5	"	5.0000		95	80-120			
1,3,5-Trimethylbenzene	4.65	0.5	"	5.0000		93	80-120			
Vinyl acetate	U	0.5	"				80-120			
Vinyl chloride	5.65	0.5	"	5.0000		113	80-120			
m-Xylene/p-Xylene	9.11	1.0	"	10.000		91	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	3.960		"	4.0000		99	86-115			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	3.890		"	4.0000		97	76-114			
<i>Surrogate: Toluene-d8</i>	3.840		"	4.0000		96	88-110			



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap**

Matrix Spike (BB22804-MS1)	Source: 1202005-10		Prepared & Analyzed: 02/23/12 15:20						
Acetone	4.36	2.0	ug/L	5.0000	1.41	59	70-130		A
Benzene	5.68	0.5	"	5.0000	0.00	114	76-127		
Bromobenzene	4.88	0.5	"	5.0000	0.00	98	70-130		
Bromoform	4.73	0.5	"	5.0000	0.00	95	70-130		
Bromochloromethane	6.02	0.5	"	5.0000	0.00	120	70-130		
Bromodichloromethane	5.86	0.5	"	5.0000	0.00	117	70-130		
Bromomethane	0.71	0.5	"	5.0000	0.00	14	70-130		A
2-Butanone	4.46	2.0	"	5.0000	0.00	89	70-130		
sec-Butylbenzene	5.09	0.5	"	5.0000	0.00	102	70-130		
tert-Butylbenzene	5.03	0.5	"	5.0000	0.00	101	70-130		
n-Butylbenzene	5.23	0.5	"	5.0000	0.00	105	70-130		
Carbon disulfide	5.62	0.5	"	5.0000	0.00	112	70-130		
Carbon Tetrachloride	6.03	0.5	"	5.0000	0.00	121	70-130		
Chlorobenzene	5.21	0.5	"	5.0000	0.00	104	75-130		
Chlorodibromomethane	5.87	0.5	"	5.0000	0.00	117	70-130		
Chloroethane	4.55	0.5	"	5.0000	0.00	91	70-130		
Chloroform	5.54	0.5	"	5.0000	0.00	111	70-130		
Chloromethane	3.83	0.5	"	5.0000	0.00	77	70-130		
2-Chlorotoluene	4.87	0.5	"	5.0000	0.00	97	70-130		
4-Chlorotoluene	4.88	0.5	"	5.0000	0.00	98	70-130		
Cyclohexane	5.08	0.5	"		0.00		70-130		
1,2-Dibromo-3-chloropropane	5.43	2.0	"	5.0000	0.00	109	70-130		
1,2-Dibromoethane (EDB)	5.30	0.5	"	5.0000	0.00	106	70-130		
Dibromomethane	5.38	0.5	"	5.0000	0.00	108	70-130		
1,2-Dichlorobenzene	5.21	0.5	"	5.0000	0.00	104	70-130		
1,3-Dichlorobenzene	5.09	0.5	"	5.0000	0.00	102	70-130		
1,4-Dichlorobenzene	5.22	0.5	"	5.0000	0.00	104	70-130		
Dichlorodifluoromethane	5.04	0.5	"	5.0000	0.00	101	70-130		
1,1-Dichloroethane	5.51	0.5	"	5.0000	0.00	110	70-130		
1,2-Dichloroethane	5.53	0.5	"	5.0000	0.00	111	70-130		
1,1-Dichloroethene	5.32	0.5	"	5.0000	0.00	106	61-145		
cis-1,2-Dichloroethene	5.42	0.5	"	5.0000	0.00	108	70-130		
trans-1,2-Dichloroethene	5.60	0.5	"	5.0000	0.00	112	70-130		
1,2-Dichloropropane	5.29	0.5	"	5.0000	0.00	106	70-130		
1,3-Dichloropropane	4.81	0.5	"	5.0000	0.00	96	70-130		
2,2-Dichloropropane	5.66	0.5	"	5.0000	0.00	113	70-130		
1,1-Dichloropropene	5.47	0.5	"	5.0000	0.00	109	70-130		
cis-1,3-Dichloropropene	6.06	0.5	"	5.2500	0.00	115	70-130		
trans-1,3-Dichloropropene	5.22	0.5	"	4.7500	0.00	110	70-130		
Ethylbenzene	5.40	0.5	"	5.0000	0.00	108	70-130		
Freon 113	5.15	0.5	"		0.00		70-130		

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap**

Matrix Spike (BB22804-MS1)	Source: 1202005-10		Prepared & Analyzed: 02/23/12 15:20						
Hexachlorobutadiene	5.34	0.5	ug/L	5.0000	0.00	107	70-130		
2-Hexanone	4.15	2.0	"	5.0000	0.00	83	70-130		
Isopropylbenzene	5.46	0.5	"	5.0000	0.00	109	70-130		
p-Isopropyltoluene	5.26	0.5	"	5.0000	0.00	105	70-130		
Methyl Acetate	4.75	0.5	"		0.00		70-130		
Methylcyclohexane	4.96	0.5	"		0.00		70-130		
Methyl-tert-butyl ether	4.48	0.5	"		0.00		70-130		
Methylene Chloride	5.90	0.5	"	5.0000	0.00	118	70-130		
4-Methyl-2-pentanone	4.38	2.0	"	5.0000	0.00	88	70-130		
Naphthalene	5.53	0.5	"	5.0000	0.00	111	70-130		
n-Propylbenzene	5.05	0.5	"	5.0000	0.00	101	70-130		
1,1,2,2-Tetrachloroethane	4.95	0.5	"	5.0000	0.00	99	70-130		
1,1,1,2-Tetrachloroethane	5.78	0.5	"	5.0000	0.00	116	70-130		
Tetrachloroethene	5.34	0.5	"	5.0000	0.00	107	70-130		
Toluene	5.03	0.5	"	5.0000	0.00	101	76-125		
1,2,3-Trichlorobenzene	5.43	0.5	"	5.0000	0.00	109	70-130		
1,2,4-Trichlorobenzene	5.06	0.5	"	5.0000	0.00	101	70-130		
1,1,1-Trichloroethane	5.74	0.5	"	5.0000	0.00	115	70-130		
1,1,2-Trichloroethane	5.32	0.5	"	5.0000	0.00	106	70-130		
Trichloroethene	5.66	0.5	"	5.0000	0.00	113	71-120		
Trichlorofluoromethane	6.03	0.5	"	5.0000	0.00	121	70-130		
1,2,3-Trichloropropane	4.75	0.5	"	5.0000	0.00	95	70-130		
1,2,4-Trimethylbenzene	5.11	0.5	"	5.0000	0.00	102	70-130		
1,3,5-Trimethylbenzene	5.08	0.5	"	5.0000	0.00	102	70-130		
Vinyl acetate	4.94	0.5	"	5.0000	0.00	99	70-130		
Vinyl chloride	4.55	0.5	"	5.0000	0.00	91	70-130		
m-Xylene/p-Xylene	10.73	1.0	"	10.000	0.00	107	70-130		
Surrogate: 4-Bromofluorobenzene	3.680		"	4.0000		92	86-115		
Surrogate: 1,2-Dichloroethane-d4	4.280		"	4.0000		107	76-114		
Surrogate: Toluene-d8	3.820		"	4.0000		96	88-110		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data  
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB22804 - VOC Purge and Trap

Matrix Spike (BB22804-MS2)	Source: 1202005-33			Prepared & Analyzed: 02/23/12 16:22					
Acetone	5.57	2.0	ug/L	5.0000	1.11	89	70-130		
Benzene	5.52	0.5	"	5.0000	0.00	110	76-127		
Bromobenzene	5.16	0.5	"	5.0000	0.00	103	70-130		
Bromoform	5.27	0.5	"	5.0000	0.00	105	70-130		
Bromochloromethane	6.30	0.5	"	5.0000	0.00	126	70-130		
Bromodichloromethane	5.84	0.5	"	5.0000	0.00	117	70-130		
Bromomethane	1.43	0.5	"	5.0000	0.00	29	70-130		A
2-Butanone	5.75	2.0	"	5.0000	0.00	115	70-130		
sec-Butylbenzene	5.03	0.5	"	5.0000	0.00	101	70-130		
tert-Butylbenzene	5.06	0.5	"	5.0000	0.00	101	70-130		
n-Butylbenzene	5.25	0.5	"	5.0000	0.00	105	70-130		
Carbon disulfide	5.61	0.5	"	5.0000	0.00	112	70-130		
Carbon Tetrachloride	5.72	0.5	"	5.0000	0.00	114	70-130		
Chlorobenzene	5.17	0.5	"	5.0000	0.00	103	75-130		
Chlorodibromomethane	5.92	0.5	"	5.0000	0.00	118	70-130		
Chloroethane	5.09	0.5	"	5.0000	0.00	102	70-130		
Chloroform	5.61	0.5	"	5.0000	0.00	112	70-130		
Chloromethane	4.13	0.5	"	5.0000	0.00	83	70-130		
2-Chlorotoluene	4.87	0.5	"	5.0000	0.00	97	70-130		
4-Chlorotoluene	5.07	0.5	"	5.0000	0.00	101	70-130		
Cyclohexane	4.97	0.5	"		0.00		70-130		
1,2-Dibromo-3-chloropropane	5.91	2.0	"	5.0000	0.00	118	70-130		
1,2-Dibromoethane (EDB)	5.95	0.5	"	5.0000	0.00	119	70-130		
Dibromomethane	5.61	0.5	"	5.0000	0.00	112	70-130		
1,2-Dichlorobenzene	5.45	0.5	"	5.0000	0.00	109	70-130		
1,3-Dichlorobenzene	5.13	0.5	"	5.0000	0.00	103	70-130		
1,4-Dichlorobenzene	5.24	0.5	"	5.0000	0.00	105	70-130		
Dichlorodifluoromethane	5.15	0.5	"	5.0000	0.00	103	70-130		
1,1-Dichloroethane	5.52	0.5	"	5.0000	0.00	110	70-130		
1,2-Dichloroethane	5.60	0.5	"	5.0000	0.00	112	70-130		
1,1-Dichloroethene	9.44	0.5	"	5.0000	0.00	189	61-145		A
cis-1,2-Dichloroethene	5.72	0.5	"	5.0000	0.00	114	70-130		
trans-1,2-Dichloroethene	5.70	0.5	"	5.0000	0.00	114	70-130		
1,2-Dichloropropane	5.46	0.5	"	5.0000	0.00	109	70-130		
1,3-Dichloropropane	5.24	0.5	"	5.0000	0.00	105	70-130		
2,2-Dichloropropane	5.33	0.5	"	5.0000	0.00	107	70-130		
1,1-Dichloropropene	5.53	0.5	"	5.0000	0.00	111	70-130		
cis-1,3-Dichloropropene	6.26	0.5	"	5.2500	0.00	119	70-130		
trans-1,3-Dichloropropene	5.49	0.5	"	4.7500	0.00	116	70-130		
Ethylbenzene	5.30	0.5	"	5.0000	0.00	106	70-130		
Freon 113	5.52	0.5	"		0.00		70-130		

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap**

Matrix Spike (BB22804-MS2)	Source: 1202005-33		Prepared & Analyzed: 02/23/12 16:22						
Hexachlorobutadiene	5.38	0.5	ug/L	5.0000	0.00	108	70-130		
2-Hexanone	4.72	2.0	"	5.0000	0.00	94	70-130		
Isopropylbenzene	5.39	0.5	"	5.0000	0.00	108	70-130		
p-Isopropyltoluene	5.31	0.5	"	5.0000	0.00	106	70-130		
Methyl Acetate	6.28	0.5	"		0.00		70-130		
Methylcyclohexane	5.03	0.5	"		0.00		70-130		
Methyl-tert-butyl ether	5.14	0.5	"		0.00		70-130		
Methylene Chloride	9.15	0.5	"	5.0000	0.00	183	70-130		A
4-Methyl-2-pentanone	4.78	2.0	"	5.0000	0.00	96	70-130		
Naphthalene	6.54	0.5	"	5.0000	0.00	131	70-130		A
n-Propylbenzene	5.15	0.5	"	5.0000	0.00	103	70-130		
1,1,2,2-Tetrachloroethane	5.46	0.5	"	5.0000	0.00	109	70-130		
1,1,1,2-Tetrachloroethane	5.66	0.5	"	5.0000	0.00	113	70-130		
Tetrachloroethene	5.19	0.5	"	5.0000	0.00	104	70-130		
Toluene	5.06	0.5	"	5.0000	0.00	101	76-125		
1,2,3-Trichlorobenzene	6.11	0.5	"	5.0000	0.00	122	70-130		
1,2,4-Trichlorobenzene	5.46	0.5	"	5.0000	0.00	109	70-130		
1,1,1-Trichloroethane	5.80	0.5	"	5.0000	0.00	116	70-130		
1,1,2-Trichloroethane	5.44	0.5	"	5.0000	0.00	109	70-130		
Trichloroethene	5.76	0.5	"	5.0000	0.00	115	71-120		
Trichlorofluoromethane	5.82	0.5	"	5.0000	0.00	116	70-130		
1,2,3-Trichloropropane	5.07	0.5	"	5.0000	0.00	101	70-130		
1,2,4-Trimethylbenzene	5.16	0.5	"	5.0000	0.00	103	70-130		
1,3,5-Trimethylbenzene	5.15	0.5	"	5.0000	0.00	103	70-130		
Vinyl acetate	5.88	0.5	"	5.0000	0.00	118	70-130		
Vinyl chloride	5.00	0.5	"	5.0000	0.00	100	70-130		
m-Xylene/p-Xylene	10.73	1.0	"	10.000	0.00	107	70-130		
Surrogate: 4-Bromofluorobenzene	3.770		"	4.0000		94	86-115		
Surrogate: 1,2-Dichloroethane-d4	4.260		"	4.0000		106	76-114		
Surrogate: Toluene-d8	3.760		"	4.0000		94	88-110		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data  
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB22804 - VOC Purge and Trap

Matrix Spike Dup (BB22804-MSD1)	Source: 1202005-10		Prepared & Analyzed: 02/23/12 15:51							
Acetone	4.75	2.0	ug/L	5.0000	1.41	67	70-130	9	20	A
Benzene	5.60	0.5	"	5.0000	0.00	112	76-127	1	11	
Bromobenzene	5.09	0.5	"	5.0000	0.00	102	70-130	4	20	
Bromoform	5.44	0.5	"	5.0000	0.00	109	70-130	14	20	
Bromochloromethane	6.10	0.5	"	5.0000	0.00	122	70-130	1	20	
Bromodichloromethane	5.67	0.5	"	5.0000	0.00	113	70-130	3	20	
Bromomethane	1.17	0.5	"	5.0000	0.00	23	70-130	49	20	A
2-Butanone	5.36	2.0	"	5.0000	0.00	107	70-130	18	20	
sec-Butylbenzene	5.16	0.5	"	5.0000	0.00	103	70-130	1	20	
tert-Butylbenzene	5.15	0.5	"	5.0000	0.00	103	70-130	2	20	
n-Butylbenzene	5.33	0.5	"	5.0000	0.00	107	70-130	2	20	
Carbon disulfide	5.86	0.5	"	5.0000	0.00	117	70-130	4	20	
Carbon Tetrachloride	5.80	0.5	"	5.0000	0.00	116	70-130	4	20	
Chlorobenzene	5.22	0.5	"	5.0000	0.00	104	75-130	0.2	13	
Chlorodibromomethane	5.70	0.5	"	5.0000	0.00	114	70-130	3	20	
Chloroethane	4.83	0.5	"	5.0000	0.00	97	70-130	6	20	
Chloroform	5.50	0.5	"	5.0000	0.00	110	70-130	0.7	20	
Chloromethane	4.35	0.5	"	5.0000	0.00	87	70-130	13	20	
2-Chlorotoluene	4.83	0.5	"	5.0000	0.00	97	70-130	0.8	20	
4-Chlorotoluene	5.05	0.5	"	5.0000	0.00	101	70-130	3	20	
Cyclohexane	5.67	0.5	"	5.0000	0.00		70-130	11	20	
1,2-Dibromo-3-chloropropane	5.83	2.0	"	5.0000	0.00	117	70-130	7	20	
1,2-Dibromoethane (EDB)	5.39	0.5	"	5.0000	0.00	108	70-130	2	20	
Dibromomethane	5.65	0.5	"	5.0000	0.00	113	70-130	5	20	
1,2-Dichlorobenzene	5.31	0.5	"	5.0000	0.00	106	70-130	2	20	
1,3-Dichlorobenzene	5.19	0.5	"	5.0000	0.00	104	70-130	2	20	
1,4-Dichlorobenzene	5.26	0.5	"	5.0000	0.00	105	70-130	0.8	20	
Dichlorodifluoromethane	5.30	0.5	"	5.0000	0.00	106	70-130	5	20	
1,1-Dichloroethane	5.60	0.5	"	5.0000	0.00	112	70-130	2	20	
1,2-Dichloroethane	5.58	0.5	"	5.0000	0.00	112	70-130	0.9	20	
1,1-Dichloroethene	9.52	0.5	"	5.0000	0.00	190	61-145	57	14	A
cis-1,2-Dichloroethene	5.56	0.5	"	5.0000	0.00	111	70-130	3	20	
trans-1,2-Dichloroethene	5.65	0.5	"	5.0000	0.00	113	70-130	0.9	20	
1,2-Dichloropropane	5.76	0.5	"	5.0000	0.00	115	70-130	9	20	
1,3-Dichloropropane	5.13	0.5	"	5.0000	0.00	103	70-130	6	20	
2,2-Dichloropropane	5.63	0.5	"	5.0000	0.00	113	70-130	0.5	20	
1,1-Dichloropropene	5.35	0.5	"	5.0000	0.00	107	70-130	2	20	
cis-1,3-Dichloropropene	6.05	0.5	"	5.2500	0.00	115	70-130	0.2	20	
trans-1,3-Dichloropropene	5.30	0.5	"	4.7500	0.00	112	70-130	2	20	
Ethylbenzene	5.30	0.5	"	5.0000	0.00	106	70-130	2	20	
Freon 113	5.73	0.5	"	5.0000	0.00		70-130	11	20	



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap**

Matrix Spike Dup (BB22804-MSD1)	Source: 1202005-10		Prepared & Analyzed: 02/23/12 15:51							
Hexachlorobutadiene	5.26	0.5	ug/L	5.0000	0.00	105	70-130	2	20	
2-Hexanone	5.09	2.0	"	5.0000	0.00	102	70-130	20	20	
Isopropylbenzene	5.37	0.5	"	5.0000	0.00	107	70-130	2	20	
p-Isopropyltoluene	5.29	0.5	"	5.0000	0.00	106	70-130	0.6	20	
Methyl Acetate	6.09	0.5	"		0.00		70-130	25	20	A
Methylcyclohexane	5.57	0.5	"		0.00		70-130	12	20	
Methyl-tert-butyl ether	5.53	0.5	"		0.00		70-130	21	20	A
Methylene Chloride	6.15	0.5	"	5.0000	0.00	123	70-130	4	20	
4-Methyl-2-pentanone	4.79	2.0	"	5.0000	0.00	96	70-130	9	20	
Naphthalene	6.30	0.5	"	5.0000	0.00	126	70-130	13	20	
n-Propylbenzene	5.21	0.5	"	5.0000	0.00	104	70-130	3	20	
1,1,2,2-Tetrachloroethane	5.27	0.5	"	5.0000	0.00	105	70-130	6	20	
1,1,1,2-Tetrachloroethane	5.53	0.5	"	5.0000	0.00	111	70-130	4	20	
Tetrachloroethene	5.17	0.5	"	5.0000	0.00	103	70-130	3	20	
Toluene	5.16	0.5	"	5.0000	0.00	103	76-125	3	13	
1,2,3-Trichlorobenzene	5.81	0.5	"	5.0000	0.00	116	70-130	7	20	
1,2,4-Trichlorobenzene	5.43	0.5	"	5.0000	0.00	109	70-130	7	20	
1,1,1-Trichloroethane	5.73	0.5	"	5.0000	0.00	115	70-130	0.2	20	
1,1,2-Trichloroethane	5.47	0.5	"	5.0000	0.00	109	70-130	3	20	
Trichloroethene	5.77	0.5	"	5.0000	0.00	115	71-120	2	14	
Trichlorofluoromethane	6.27	0.5	"	5.0000	0.00	125	70-130	4	20	
1,2,3-Trichloropropane	5.17	0.5	"	5.0000	0.00	103	70-130	8	20	
1,2,4-Trimethylbenzene	5.25	0.5	"	5.0000	0.00	105	70-130	3	20	
1,3,5-Trimethylbenzene	5.12	0.5	"	5.0000	0.00	102	70-130	0.8	20	
Vinyl acetate	5.86	0.5	"	5.0000	0.00	117	70-130	17	20	
Vinyl chloride	4.91	0.5	"	5.0000	0.00	98	70-130	8	20	
m-Xylene/p-Xylene	10.80	1.0	"	10.000	0.00	108	70-130	0.7	20	
Surrogate: 4-Bromofluorobenzene	3.890		"	4.0000		97	86-115			
Surrogate: 1,2-Dichloroethane-d4	4.280		"	4.0000		107	76-114			
Surrogate: Toluene-d8	3.700		"	4.0000		92	88-110			



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data  
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB22804 - VOC Purge and Trap

Matrix Spike Dup (BB22804-MSD2)	Source: 1202005-33		Prepared & Analyzed: 02/23/12 16:52							
Acetone	5.44	2.0	ug/L	5.0000	1.11	87	70-130	2	20	
Benzene	5.66	0.5	"	5.0000	0.00	113	76-127	3	11	
Bromobenzene	4.80	0.5	"	5.0000	0.00	96	70-130	7	20	
Bromoform	5.33	0.5	"	5.0000	0.00	107	70-130	1	20	
Bromodichloromethane	6.21	0.5	"	5.0000	0.00	124	70-130	1	20	
Bromomethane	5.79	0.5	"	5.0000	0.00	116	70-130	0.9	20	
2-Butanone	1.44	0.5	"	5.0000	0.00	29	70-130	0.7	20	A
sec-Butylbenzene	5.86	2.0	"	5.0000	0.00	117	70-130	2	20	
tert-Butylbenzene	4.87	0.5	"	5.0000	0.00	97	70-130	3	20	
n-Butylbenzene	4.97	0.5	"	5.0000	0.00	99	70-130	2	20	
Carbon disulfide	5.00	0.5	"	5.0000	0.00	100	70-130	5	20	
Carbon Tetrachloride	5.31	0.5	"	5.0000	0.00	106	70-130	5	20	
Chlorobenzene	5.78	0.5	"	5.0000	0.00	116	70-130	1	20	
Chlorodibromomethane	5.09	0.5	"	5.0000	0.00	102	75-130	2	13	
Chloroethane	6.04	0.5	"	5.0000	0.00	121	70-130	2	20	
Chloroethane	4.68	0.5	"	5.0000	0.00	94	70-130	8	20	
Chloroform	5.72	0.5	"	5.0000	0.00	114	70-130	2	20	
Chloromethane	4.11	0.5	"	5.0000	0.00	82	70-130	0.5	20	
2-Chlorotoluene	4.75	0.5	"	5.0000	0.00	95	70-130	2	20	
4-Chlorotoluene	4.81	0.5	"	5.0000	0.00	96	70-130	5	20	
Cyclohexane	5.44	0.5	"	5.0000	0.00		70-130	9	20	
1,2-Dibromo-3-chloropropane	5.39	2.0	"	5.0000	0.00	108	70-130	9	20	
1,2-Dibromoethane (EDB)	5.58	0.5	"	5.0000	0.00	112	70-130	6	20	
Dibromomethane	5.49	0.5	"	5.0000	0.00	110	70-130	2	20	
1,2-Dichlorobenzene	5.17	0.5	"	5.0000	0.00	103	70-130	5	20	
1,3-Dichlorobenzene	5.20	0.5	"	5.0000	0.00	104	70-130	1	20	
1,4-Dichlorobenzene	5.19	0.5	"	5.0000	0.00	104	70-130	1	20	
Dichlorodifluoromethane	4.50	0.5	"	5.0000	0.00	90	70-130	13	20	
1,1-Dichloroethane	5.53	0.5	"	5.0000	0.00	111	70-130	0.2	20	
1,2-Dichloroethane	5.76	0.5	"	5.0000	0.00	115	70-130	3	20	
1,1-Dichloroethene	5.78	0.5	"	5.0000	0.00	116	61-145	48	14	A
cis-1,2-Dichloroethene	5.67	0.5	"	5.0000	0.00	113	70-130	0.9	20	
trans-1,2-Dichloroethene	5.60	0.5	"	5.0000	0.00	112	70-130	2	20	
1,2-Dichloropropane	5.53	0.5	"	5.0000	0.00	111	70-130	1	20	
1,3-Dichloropropane	5.22	0.5	"	5.0000	0.00	104	70-130	0.4	20	
2,2-Dichloropropane	5.53	0.5	"	5.0000	0.00	111	70-130	4	20	
1,1-Dichloropropene	5.43	0.5	"	5.0000	0.00	109	70-130	2	20	
cis-1,3-Dichloropropene	6.31	0.5	"	5.2500	0.00	120	70-130	0.8	20	
trans-1,3-Dichloropropene	5.42	0.5	"	4.7500	0.00	114	70-130	1	20	
Ethylbenzene	5.21	0.5	"	5.0000	0.00	104	70-130	2	20	
Freon 113	5.60	0.5	"	5.0000	0.00		70-130	1	20	



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB22804 - VOC Purge and Trap**

Matrix Spike Dup (BB22804-MSD2)	Source: 1202005-33		Prepared & Analyzed: 02/23/12 16:52							
Hexachlorobutadiene	4.95	0.5	ug/L	5.0000	0.00	99	70-130	8	20	
2-Hexanone	5.03	2.0	"	5.0000	0.00	101	70-130	6	20	
Isopropylbenzene	5.18	0.5	"	5.0000	0.00	104	70-130	4	20	
p-Isopropyltoluene	5.03	0.5	"	5.0000	0.00	101	70-130	5	20	
Methyl Acetate	5.81	0.5	"		0.00		70-130	8	20	
Methylcyclohexane	5.48	0.5	"		0.00		70-130	9	20	
Methyl-tert-butyl ether	5.62	0.5	"		0.00		70-130	9	20	
Methylene Chloride	6.02	0.5	"	5.0000	0.00	120	70-130	41	20	A
4-Methyl-2-pentanone	4.98	2.0	"	5.0000	0.00	100	70-130	4	20	
Naphthalene	6.17	0.5	"	5.0000	0.00	123	70-130	6	20	
n-Propylbenzene	4.91	0.5	"	5.0000	0.00	98	70-130	5	20	
1,1,2,2-Tetrachloroethane	5.57	0.5	"	5.0000	0.00	111	70-130	2	20	
1,1,1,2-Tetrachloroethane	5.67	0.5	"	5.0000	0.00	113	70-130	0.2	20	
Tetrachloroethene	5.11	0.5	"	5.0000	0.00	102	70-130	2	20	
Toluene	5.09	0.5	"	5.0000	0.00	102	76-125	0.6	13	
1,2,3-Trichlorobenzene	5.50	0.5	"	5.0000	0.00	110	70-130	11	20	
1,2,4-Trichlorobenzene	5.41	0.5	"	5.0000	0.00	108	70-130	0.9	20	
1,1,1-Trichloroethane	5.61	0.5	"	5.0000	0.00	112	70-130	3	20	
1,1,2-Trichloroethane	5.42	0.5	"	5.0000	0.00	108	70-130	0.4	20	
Trichloroethene	5.70	0.5	"	5.0000	0.00	114	71-120	1	14	
Trichlorofluoromethane	5.31	0.5	"	5.0000	0.00	106	70-130	9	20	
1,2,3-Trichloropropane	5.05	0.5	"	5.0000	0.00	101	70-130	0.4	20	
1,2,4-Trimethylbenzene	4.93	0.5	"	5.0000	0.00	99	70-130	5	20	
1,3,5-Trimethylbenzene	4.94	0.5	"	5.0000	0.00	99	70-130	4	20	
Vinyl acetate	5.52	0.5	"	5.0000	0.00	110	70-130	6	20	
Vinyl chloride	4.68	0.5	"	5.0000	0.00	94	70-130	7	20	
m-Xylene/p-Xylene	10.58	1.0	"	10.000	0.00	106	70-130	1	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	3.770		"	4.0000		94	86-115			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.010		"	4.0000		100	76-114			
<i>Surrogate: Toluene-d8</i>	3.720		"	4.0000		93	88-110			



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

## Notes and Definitions

- UJ The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
- T Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
- R The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- I An interference exists which masks the true response. See report narrative for explanation.
- B Not detected substantially above (10 times) the level reported in the laboratory or field blanks (including field, trip, rinsate, and equipment blanks).
- A Quality control value is outside acceptance limits.
- %REC Percent Recovery
- RPD Relative Percent Difference
- U Analyte included in the analysis, but not detected at or above the quantitation limit.

QUANTITATION LIMIT: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

SOLID SAMPLE RESULTS - REPORTING PROTOCOL: Solid samples where % Solids (percent dry wt at 105 degrees C) has been performed, are analyzed wet and converted to a dry weight result for reporting purposes. This is routine for organics and most inorganic analyses. When metals and mercury analyses are requested, solid samples are routinely analyzed and reported on a dry weight basis. Solid samples for metals/mercury are prepared for analysis by an initial drying at 60 degree C and homogenization before digestion. Oil-type samples will be analyzed and reported on a wet weight basis for all analyses because of the nature of the sample. Any exceptions to the protocol will be noted with a qualifier

ON-DEMAND: The term 'on-demand' analysis, if noted in the report narrative, refers to Section 13.1.4 in the Region III OASQA Laboratory Quality Manual, which provides procedures for non-routine analyses or analytes.